

Internet Technologies

Introduction to HTML and CSS - Part 3 (Exercises)

Box Model, Positioning

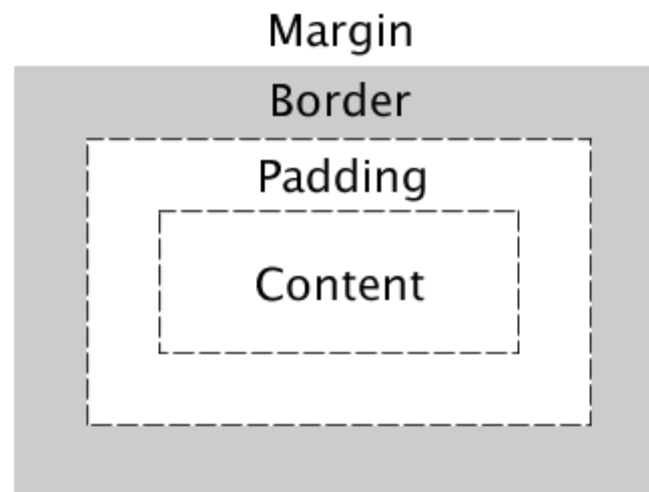


University of Cyprus
Department of Computer
Science



The CSS Box Model

- Every HTML element is composed of 4 layers:
 - the element's content
 - the **border** around the element's content
 - **padding** space between the content and border (inside)
 - a **margin** clears the area around border (outside)



border



- Specify border (Property may be specified using one, two, or three of the values listed below. The order of the values does not matter)

➤ Note: The border will be invisible if its style is not defined. This is because the style defaults to none.

- `border: solid;`
- `border: dashed red;`
- `border: 10px solid;`
- `border: 5px double #32a1ce;`

A rectangular box with a solid black border and the text "This is a box with a border around it." inside.

A rectangular box with a dashed red border and the text "This is a box with a border around it." inside.

A rectangular box with a thick solid black border and the text "This is a box with a border around it." inside.

A rectangular box with a double blue border and the text "This is a box with a border around it." inside.

- Can also specify each border individually:

- `border-top`
- `border-bottom`
- `border-left`
- `border-right`

border: width style color;



```
<div>Welcome to CS425: Internet Technologies!</div>  
<div>In this course you will learn modern web  
development techniques.</div>
```

HTML

```
div {  
  border: 2px solid black;  
}
```

CSS

```
Welcome to CS425: Internet Technologies!  
In this course you will learn modern web development techniques.
```

padding



```
div {  
  border: 2px solid black;  
  padding: 10px;  
}
```

CSS

Welcome to CS425: Internet Technologies!

In this course you will learn modern web development techniques.

- padding is the space between the border and the content.
 - Can specify padding-top, padding-bottom, padding-left, padding-right
 - There's also a shorthand (clockwise starting from top):
 - padding: 2px 4px 3px 1px; <- top | right | bottom | left
 - padding: 10px 2px; <- top&bottom | left&right
 - padding: 1px 2px 3px; <- top | left&right | bottom

margin



```
div {  
  margin: 20px;  
  border: 2px solid black;  
  padding: 10px;  
}
```

CSS

Welcome to CS425: Internet Technologies!

In this course you will learn modern web development techniques.

- margin is the space between the border and other elements..
 - Can specify margin-top, margin-bottom, margin-left, margin-right
 - There's also a shorthand (clockwise starting from top):
 - margin: 2px 4px 3px 1px; <- top | right | bottom | left
 - margin: 10px 2px; <- top&bottom | left&right
 - margin: 1px 2px 3px; <- top | left&right | bottom

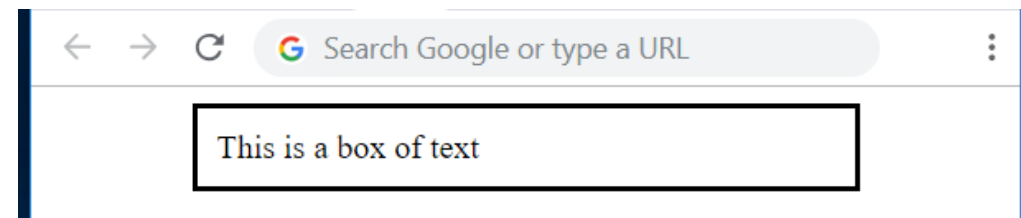


auto margins

- If you set `margin-left` and `margin-right` to `auto`, you can horizontally center a block-level element with a specified width:

```
<div>                                     HTML
  This is a box of text
</div>
```

```
div {                                       CSS
  margin-left: auto;
  margin-right: auto;
  border: 2px solid black;
  padding: 10px;
  width: 300px;
}
```



Moving things with **position**



- **Positioned layout** lets you define precisely where an element should be in the page ([mdn](#)).
- You can use positioned layout doing the following:
 1. Define a **position** method:
static, fixed, absolute, relative
 2. Define **offsets**:
top, left, bottom, right
 3. (optional) Define **z-index** for overlapping layers ([mdn](#))

Moving things with **position**



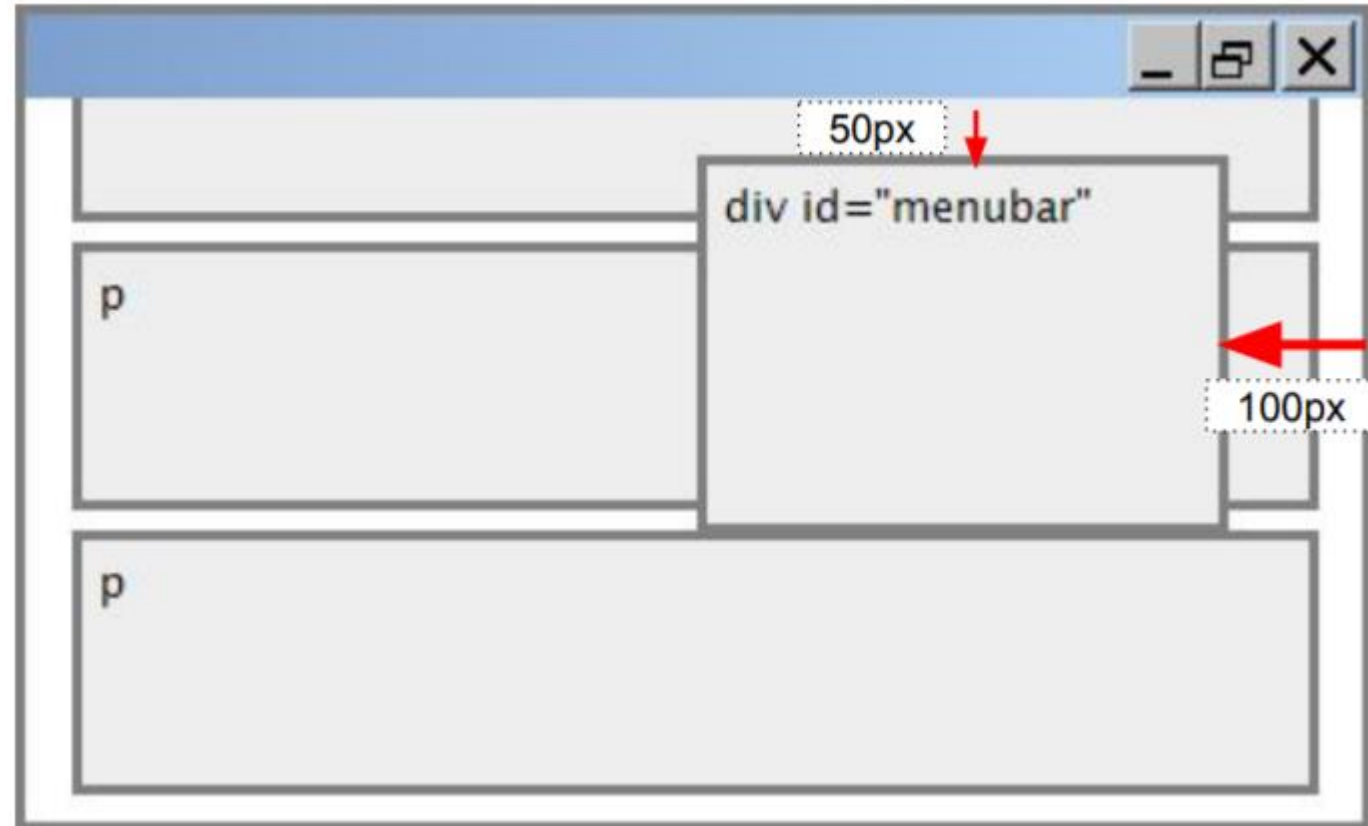
- To specify exactly where an element goes, set its **top**, **left**, **bottom**, and/or **right** offset.
- The meaning of these offset values depend on the **reference point set by position**:
 - **static**: no reference point; static block **can't move** (this is the default style for every element)
 - **fixed**: a fixed position within the viewport
 - **absolute**: a fixed position within its "containing element"
 - **relative**: offset from its normal static position

position: fixed



```
#menubar {  
  position: fixed;  
  top: 50px;  
  right: 100px;  
  width: 400px;  
}
```

- For **fixed positioning**, the offset is the distance positioned **relative to the** viewport.
- The element **does not move** when the webpage is scrolled.
- Element is removed from normal document flow, positioned on its own layer



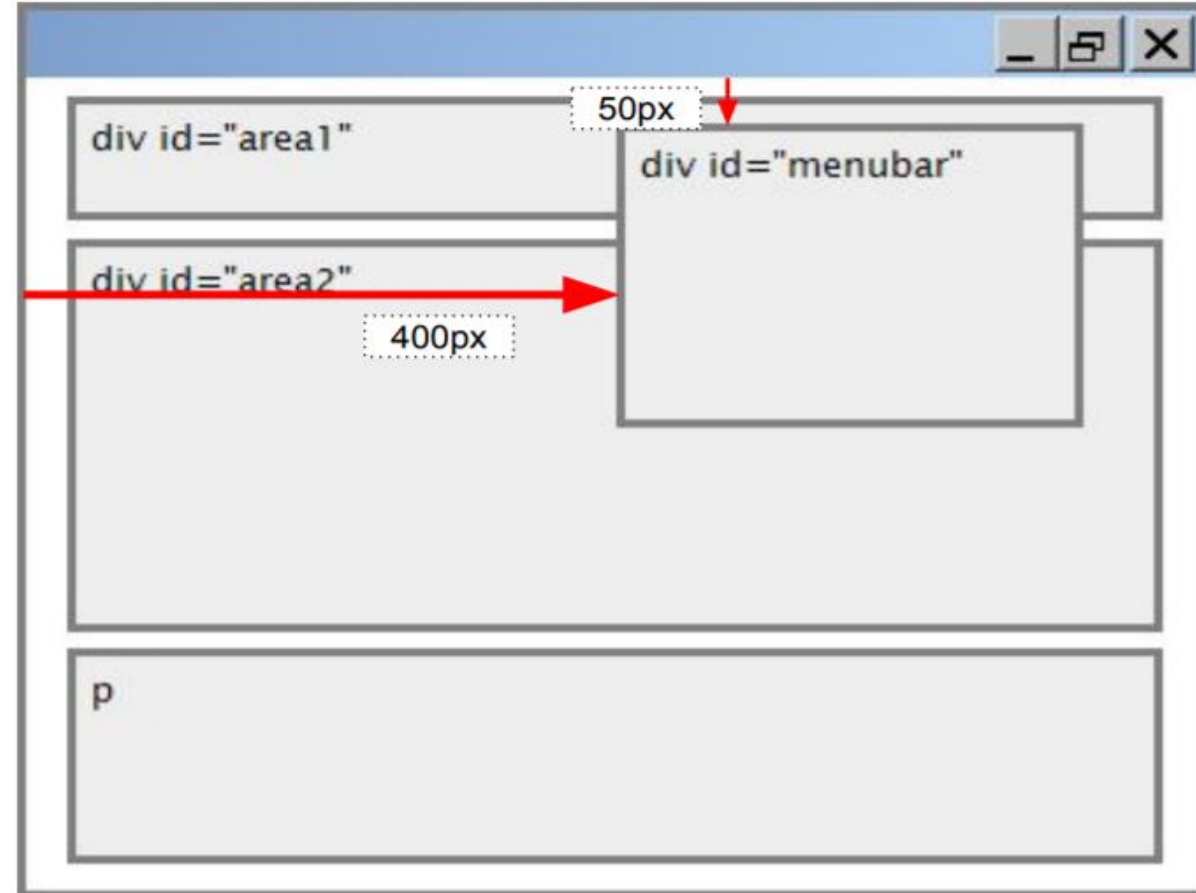
Often used to implement UIs; control bars that shouldn't go away

position: absolute



```
#menubar {  
  position: absolute;  
  left: 400px;  
  top: 50px;  
  width: 300px;  
}
```

- For **absolute positioning**, the **offset** is the distance **from the nearest positioned "ancestor element"**, if no positioned ancestor, document body used ([example](#))
- Element is removed from normal document flow, positioned on its own layer



position: relative



- For `position: relative;` the element is placed **where it would normally be placed** in the layout of the page but shifted by the `top / left / bottom / right` values.

```
#box2 {  
  height: 100px;  
  width: 100px;  
  background-color: blue;  
  position: relative;  
  top: 50px;  
  left: 50px;  
}
```

CSS

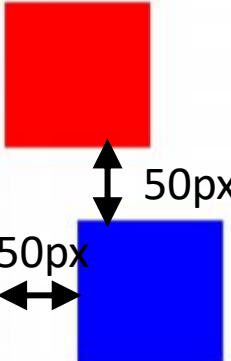
[Codepen](#)

Puppy

A puppy is a juvenile dog. Some puppies can weigh 1–3 lb (0.45–1.36 kg), while larger ones can weigh up to 15–23 lb (6.8–10.4 kg). All healthy puppies grow quickly after birth. A puppy's coat color may change as the puppy grows older, as is commonly seen in breeds such as the Yorkshire Terrier. In vernacular English, puppy refers specifically to dogs, while pup may often be used for other mammals such as seals, giraffes, guinea pigs, or even rats.

Development

At first, puppies spend the large majority of their time sleeping and the rest feeding. They instinctively pile together into a heap, and become distressed if separated from physical contact with their littermates, by even a short distance.



Positioning elements with `float`



- The `float` property specifies how an element should float:
 - `left` - The element floats to the left of its container
 - `right` - The element floats to the right of its container
 - `none` - The element does not float (will be displayed just where it occurs in the text). This is default
 - `inherit` - The element inherits the `float` value of its parent
- Note: Absolutely positioned elements ignores the `float` property!
- Note: **Elements after a floating element will flow (wrap) around it**
 - to avoid this, use the `clear` property or the clearfix hack

Positioning elements with `float`

(example without float)



- `<div>` takes the height of the containing element(s): `<p>` ``

```
<h2>UCY campus</h2>
<div>
  
  <p>Welcome to the UCY campus</p>
</div>
```

HTML

```
div {
  background-color: lightblue;
}
img {
  height: 200px;
}
```

CSS

UCY campus



Welcome to the UCY campus

Both `<p>` and `` are contained within the `<div>` so the lightblue background covers both of them.

Positioning elements with float

(example **with** float)



- `<div>` takes the height of the containing element(s): `<p>`

```
<h2>UCY campus</h2>
<div>
  
  <p>Welcome to the UCY campus</p>
</div>
```

HTML

```
div {
  background-color: lightblue;
}
img {
  height: 200px;
  float: left;
}
```

CSS

UCY campus



Welcome to the UCY campus

`<div>`

Floated element `` is not contained within the `<div>` anymore (actually `` is removed from the normal document flow, and floats to the left of `<div>`) so the lightblue background covers only the `<p>` which is still contained within the `<div>`

Positioning elements with `float`

(example **with** float)



- `<div>` takes the height of the containing element(s): `<p>`

```
<h2>UCY campus</h2>
<div>
  
  <p>Welcome to the UCY campus</p>
</div>
```

HTML

```
div {
  background-color: lightblue;
  overflow: hidden;
}
img {
  height: 200px;
  float: left;
}
```

CSS

UCY campus



Welcome to the UCY campus

`overflow: hidden` hides any part of an element which flows out of the parent container. At the same time, it “forces” the child elements to be contained within the parent element.

Positioning elements with `display: flex`



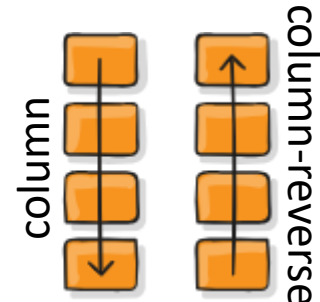
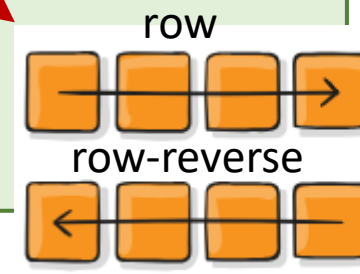
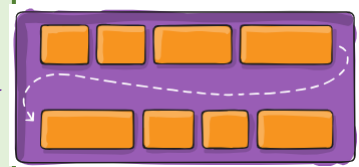
```
<div class="parent">
  <div class="child">
    <h2>First paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Second paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Third paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Fourth paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
</div>
```

HTML

```
.parent {
  display: flex;
  flex-flow: row wrap;
}

.child {
  width: 40%;
}
```

CSS



First paragraph

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

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Positioning elements with `display: flex`



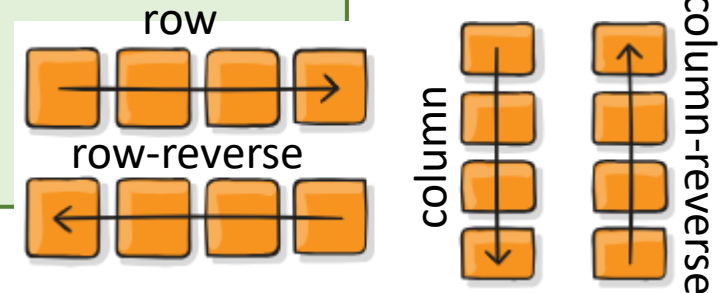
```
<div class="parent">
  <div class="child">
    <h2>First paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
    adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Second paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
    adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Third paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
    adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Fourth paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
    adipiscing elit, ...
  </div>
</div>
```

HTML

```
.parent {
  display: flex;
  flex-flow: row nowrap;
}

.child {
  width: 40%;
}
```

CSS



First paragraph

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

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Third paragraph

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Fourth paragraph

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<https://codepen.io/paulantoniu/pen/ExMqmom>

Positioning elements with `display: flex`



```
<div class="parent">
  <div class="child">
    <h2>First paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Second paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Third paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Fourth paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
</div>
```

HTML

```
.parent {
  display: flex;
  flex-flow: row wrap;
  justify-content: center;
}

.child {
  width: 40%;
}
```

CSS

Defines the alignment along the main axis. It helps distribute extra free space leftover when either all the flex items on a line are inflexible, or are flexible but have reached their maximum size.

flex-start



flex-end



center



space-between



space-around



space-evenly



<https://codepen.io/paulantoniou/pen/ExMqmom>

Positioning elements with `display: flex`



```
<div class="parent">
  <div class="child">
    <h2>First paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Second paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Third paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
  <div class="child">
    <h2>Fourth paragraph</h2>
    Lorem ipsum dolor sit amet, consectetur
adipiscing elit, ...
  </div>
</div>
```

HTML

```
.parent {
  display: flex;
  flex-flow: row wrap;
  justify-content: center;
  gap: 10px 40px;
}

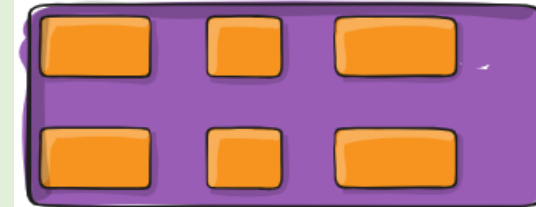
.child {
  width: 40%;
}
```

CSS

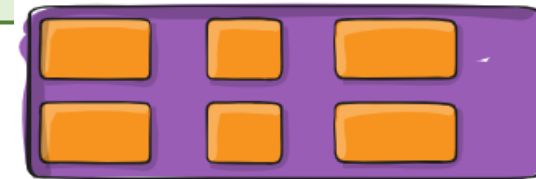
gap: 10px



gap: 30px



gap: 10px 30px



First paragraph

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

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Second paragraph

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Fourth paragraph

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Random useful CSS

How to set an image within a div



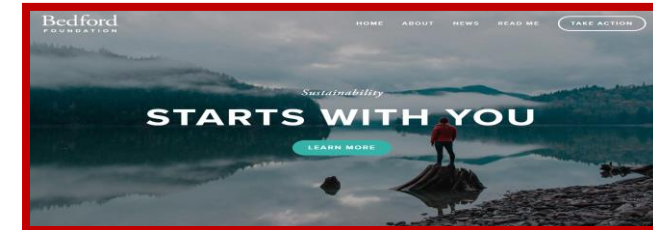
- 1st way: Use `` inside `<div>`

```
<div class="header">  
    
</div>
```

- 2nd way: Set it as background-image on `<div>` element

```
<div class="header">  
</div>
```

```
.header {  
  background-image: url(background.png);  
  height: 400px;  
}
```



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All photography provided by Jarrid Chambers



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background properties



- You can then use [additional background properties](#) to further style it:
 - `background-size: cover;`
 - `background-size: contain;`
 - `background-repeat: no-repeat;`
 - `background-position: top;`
 - `background-position: center;`
 - `background-attachment: fixed;`
- ([CodePen](#): Try resizing the window)

background-repeat property



```
.header {  
  background-image: url(https://cs.ucy.ac.cy/images/ucy_logo_en.png);  
  height: 195px;  
}
```

CSS



```
.header {  
  background-image: url(https://cs.ucy.ac.cy/images/ucy_logo_en.png);  
  background-repeat: no-repeat;  
  height: 195px;  
}
```

CSS



background-size property



```
.header {  
  background-image: url(https://cs.ucy.ac.cy/images/ucy_logo_en.png);  
  height: 195px;  
  background-size: contain;  
}
```

CSS



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Department of Computer Science



Un

De

contain: Scales the image as large as possible (e.g. here height to be 195px) without cropping or distorting the image (show the whole image). If space remains, another image is inserted.

background-size property



```
.header {  
  background-image: url(https://cs.ucy.ac.cy/images/ucy_logo_en.png);  
  height: 195px;  
  background-size: cover;  
}
```

CSS



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cover: Scales the image as large as possible without distorting the image to cover width and height. If the proportions of the image differ from the element, it is cropped either vertically or horizontally so that no empty space remains. Above image is stretched to cover whole width, even that it is cropped below.

background-attachment property



- Parallax scrolling is a web site trend where the background content (i.e. an image) is moved at a different speed than the foreground content while scrolling:
 - create a container element (e.g. a div)
 - add a background image to the container with a specific height
 - add background-attachment: fixed to create the actual parallax effect
 - other background properties can be used to center and scale the image perfectly
- See examples here:
 - W3 School: [Parallax demo](#), [No parallax](#)
 - [Codepen](#)

Web Fonts



- You can use [Google Fonts](#) to choose from a set of visually appealing fonts:

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Learn how building websites with Google Fonts is safe for you and your users. [Learn more](#) ✕

Google Fonts Sort by: Trending

[✕ Filters](#)

1595 of 1595 families [About these results](#) ⓘ

Roboto 12 styles | Christian Robertson
Everyone has the right to freedom of thought, conscience and religion; this

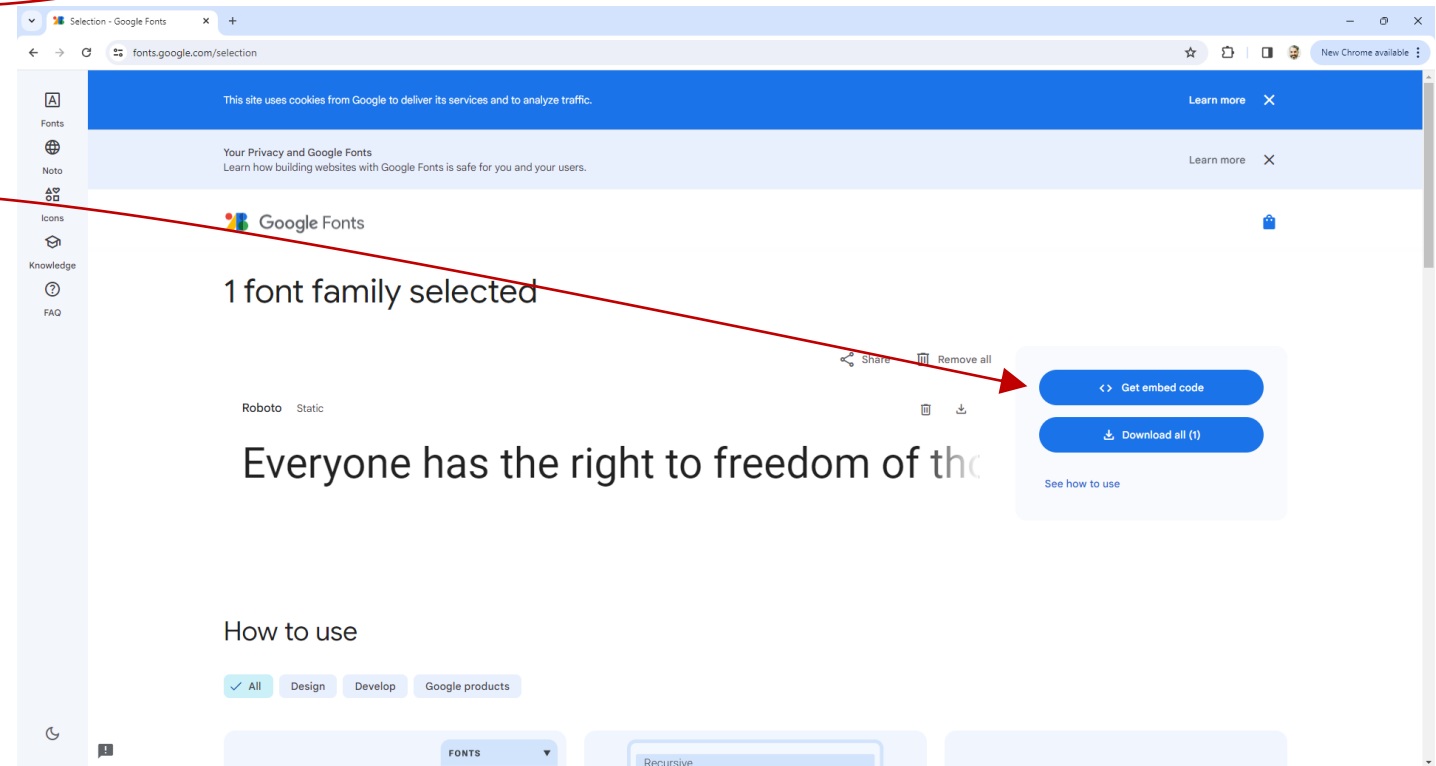
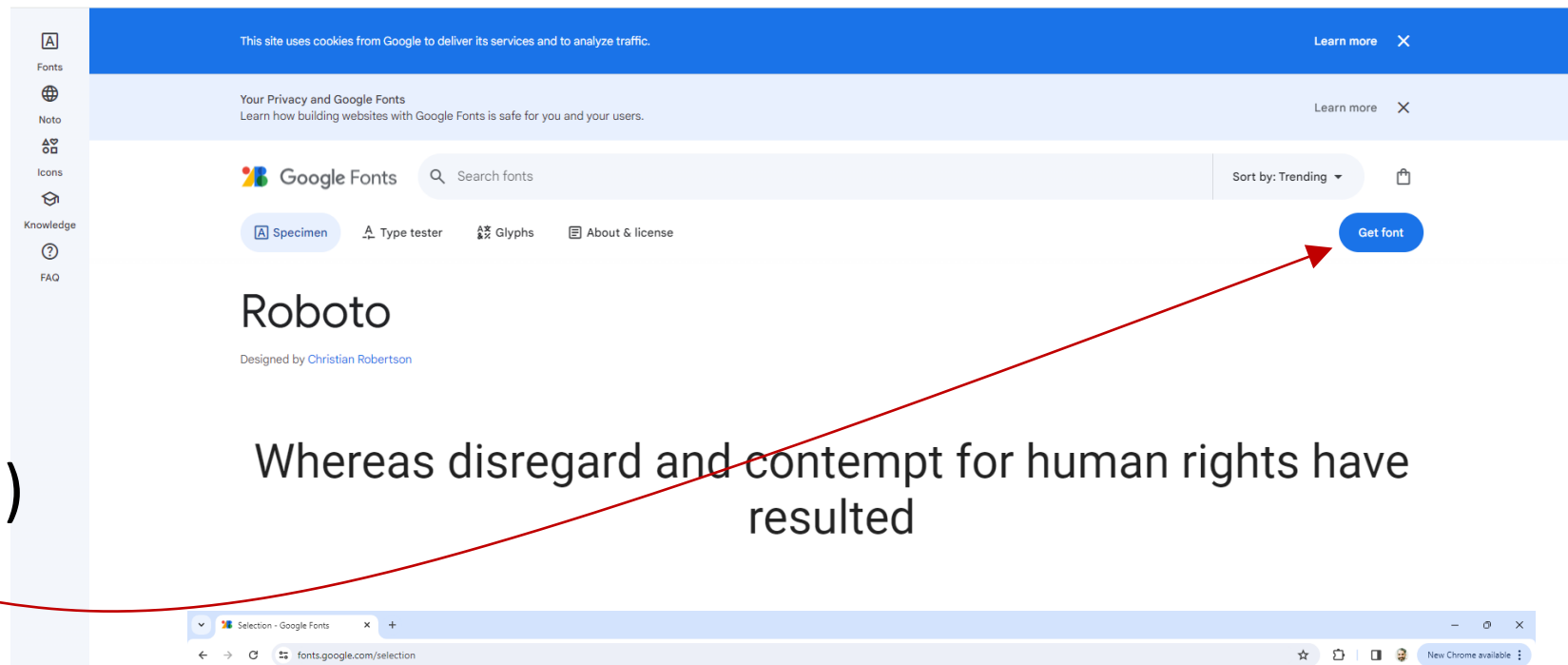
Fredoka Variable (2 axes) | Milena Brandão, Hafontia
Everyone has the right to freedom of thought, conscience and religion; this

Protest Riot 1 style | Octavio Pardo
Everyone has the right to freedom of thought, conscience and religion; this right

Open Sans Variable (3 axes) | Steve Matteson

Web Fonts

- Select font family (from previous slide)
- Click “Get Font”
- Click on the “Get embed code”



Web Fonts



- Copy the given `<link>` tag into the `<head>` section of your page alongside your other CSS files

Google Fonts

← Embed code

Roboto Static

Whereas recognition of the

Thin 100

Thin 100 Italic

[↓ Change styles](#)

12 styles

Thin 100 Thin 100 Italic Light 300 Light 300 Italic

Regular 400 Regular 400 Italic Medium 500

View 5 more

Web

Android

iOS

Flutter

`<link>` `@import`

Embed code in the `<head>` of your html

```
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&display=swap" rel="stylesheet">
```

[Copy code](#)

Roboto: CSS classes

```
.roboto-thin {
  font-family: "Roboto", sans-serif;
  font-weight: 100;
  font-style: normal;
}

.roboto-thin-italic {
  font-family: "Roboto", sans-serif;
  font-weight: 100;
  font-style: italic;
}
```



Aside: Fallback fonts

- Notice that the Google Font example shows a comma-separated list of values for `font-family`:

```
font-family: 'Roboto', sans-serif;
```

- Each successive font listed is a fallback, i.e. the font that will be loaded if the previous font could not be loaded
- There are also six [generic font names](#) which allows the browser to choose the font based on intent + fonts available on the OS.
- It's good practice to list a generic font at the end of all your `font-family` declarations.

CSS Icons – Google Material icons



- To use [Google Material](#) icons, add the following line inside the <head> section of your HTML webpage:

```
https://fonts.googleapis.com/icon?family=Material+Icons
```

```
<p>Some Google icons:</p>  
<i class="material-icons">cloud</i>  
<i class="material-icons">favorite</i>  
<i class="material-icons">attachment</i>  
<i class="material-icons">computer</i>  
<i class="material-icons">traffic</i>
```

HTML

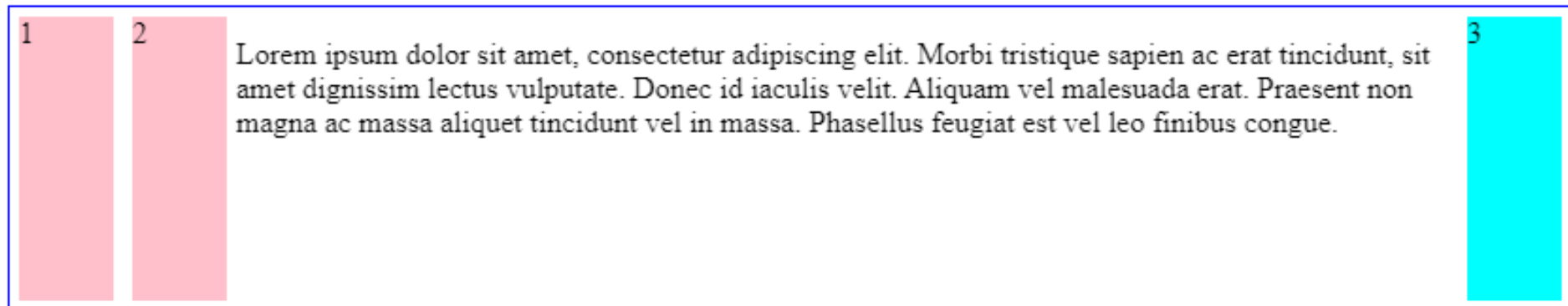
Some Google icons:



Exercise 1



- Develop the following web page using **float** positioning
- Download lab4-exercise1.html (lab webpage) & add your lab4-exercise1.css
- Specifications:
 - Outer box: 160px height, border of 1px width, solid style and blue color
 - Inner boxes: 150px height, 50px width, 5px margin and pink/cyan color respectively



Exercise 2

- Develop the displayed web page
- Download lab4-exercise2.html (lab webpage) & add your lab4-exercise2.css
- Specifications given in the next slide



Welcome to the
University of Cyprus

The University of Cyprus (UCY) is the premier academic and research institution in Cyprus, founded in 1989. It is the largest research and academic institution in the country, employing over 1000 faculty, research, and administrative staff. Despite its brief history, the University has managed to perform at very high standards and has been recognized for academic excellence in research. In addition, it serves as the catalyst of change and progress of Cypriot society by contributing substantially to the enhancement of the cultural, social and economic development of Cyprus. The University of Cyprus already employs a number of leading scientists in their fields, across 5 schools and 22 departments, who have been successful in attracting highly-competitive research funding.

UCY Internationalisation Strategy ↗

The University of Cyprus is a member in University Networks and Associations worldwide, while it has signed Bilateral Agreements of Cooperation with universities and research institutions in Europe, Australia, Middle East, Asia, USA, Canada and Africa. These agreements facilitate the student and academic staff exchanges, joint research projects, conferences and exchange of teaching and research material.

International Relations

The International Relations Sector (International Relations and Promotion) is responsible for promoting the Internationalization Strategy of the University of Cyprus. This is achieved through the co-ordination of all processes related to International Recruitment, Bilateral Agreements of Cooperation with Universities, communication with the various Networks and Organizations to which the University of Cyprus is a member (such as UNICA, Santander Group, IAU), as well as the administrative support for the representation of the University of Cyprus in Network / Organization meetings.

Mobility Support

The International Relations Sector (Mobility) has the general and financial management of the Erasmus+ and Erasmus+ International Programmes (K103 and K107 Actions) for outgoing and incoming student mobility for studies and placements, mobility for teaching and administrative staff. It is also responsible for managing mobility under other Bilateral Agreements of Cooperation.

Exercise 2



HEADER

home icon
location_up icon



SLIDE

40% from the top
of the image

Welcome to the
University of Cyprus

350px;

200px;

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UCY Internationalisation Strategy ↗ **ARTICLE**

trending_up icon

The University of Cyprus is a member in University Networks and Associations worldwide, while it has signed Bilateral Agreements of Cooperation with universities and research institutions in Europe, Australia, Middle East, Asia, USA, Canada and Africa. These agreements facilitate the student and academic staff exchanges, joint research projects, conferences and exchange of teaching and research material.

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FOOTER

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Font-family : Roboto, with serif fallback

Google material icons

Menu:

- Always visible at the same (fixed) position
- Background color #e4aa09
- Links white color, not underlined, when hovered color bold black (Home links to current file, Contact Us links to contact.html)
- Use list-style: none; on li to remove bullets

Header:

- Height 100px
- Padding top/bottom: 10px, left-right: 32px
- UCY logo image height 100%

Slide:

- Full width, Height 400px
- Background image not stretched, no empty space remain, image center to be visible
- Apply the parallax effect
- Title: width 350 pixels, in the middle of the image, font size 26pt, text aligned center, [text shadow x/y-offset 1px blur 15 px color black](#)

Article:

- Padding top/bottom: 10px, left-right: 32px
- For right and left columns set appropriate float value and width 48%

Footer:

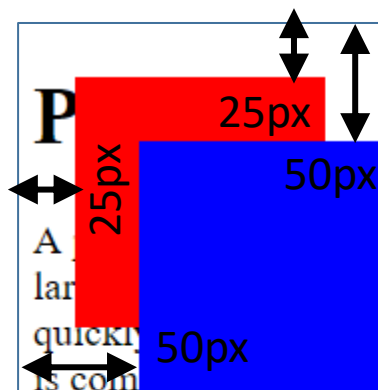
- Background color #8d9106
- Padding top/bottom: 10px, left-right: 32px
- Font size 10 pt, aligned right

position: absolute

```
#box1 {  
  height: 100px;  
  width: 100px;  
  background-color: red;  
  position: absolute;  
  top: 25px;  
  left: 25px;  
}
```

CSS

```
#box2 {  
  height: 100px;  
  width: 100px;  
  background-color: blue;  
  position: absolute;  
  top: 50px;  
  left: 50px;  
}
```



```
<body>  
  <h1>Puppy</h1>  
  <p>A puppy is a juvenile d  
  1.36 kg), while larger ones ca  
  All healthy puppies grow quick  
  change as the puppy grows older  
  the Yorkshire Terrier. In vern  
  specifically to dogs, while pu  
  such as seals, giraffes, guine  
  <h2>Development</h2>  
  <p>At first, puppies spend  
  sleeping and the rest feeding.  
  heap, and become distressed if  
  their littermates, by even a s  
  <div id="box1"></div>  
  <div id="box2"></div>  
</body>
```

HTML



A puppy is a juvenile dog. Some puppies can weigh 1–3 lb (0.45–1.36 kg), while larger ones can weigh up to 15–23 lb (6.8–10.4 kg). All healthy puppies grow quickly, and a puppy's coat color may change as the puppy grows older, as is common with many breeds such as the Yorkshire Terrier. In vernacular English, puppy refers specifically to dogs, while pup may often be used for other mammals such as seals, giraffes, guinea pigs, or even rats.

Development

At first, puppies spend the large majority of their time sleeping and the rest feeding. They instinctively pile together into a heap, and become distressed if separated from physical contact with their littermates, by even a short distance.

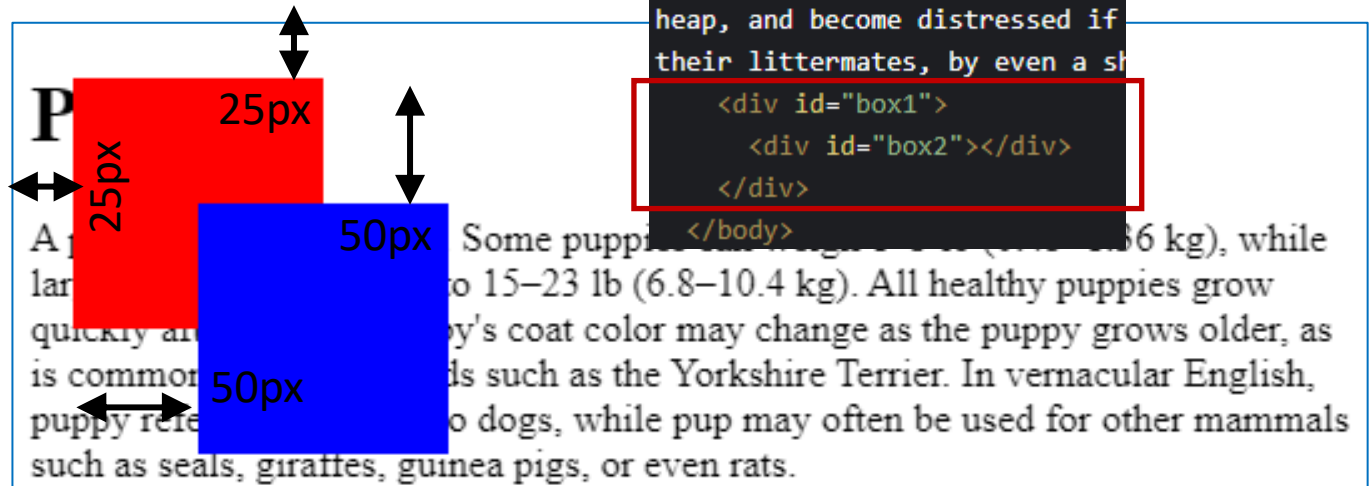
[Codepen](#)

position: absolute

```
#box1 {  
  height: 100px;  
  width: 100px;  
  background-color: red;  
  position: absolute;  
  top: 25px;  
  left: 25px;  
}
```

CSS

```
#box2 {  
  height: 100px;  
  width: 100px;  
  background-color: blue;  
  position: absolute;  
  top: 50px;  
  left: 50px;  
}
```



```
<body>  
  <h1>Puppy</h1>  
  <p>A puppy is a juvenile dog (weighing 1.36 kg), while larger ones can weigh up to 15–23 lb (6.8–10.4 kg). All healthy puppies grow quickly and their coat color may change as the puppy grows older, as is common with breeds such as the Yorkshire Terrier. In vernacular English, puppy refers to dogs, while pup may often be used for other mammals such as seals, giraffes, guinea pigs, or even rats.  
  <h2>Development</h2>  
  <p>At first, puppies spend the large majority of their time sleeping and the rest feeding. They instinctively pile together into a heap, and become distressed if separated from physical contact with their littermates, by even a short distance.  
  <div id="box1">  
    <div id="box2"></div>  
  </div>  
</body>
```

HTML



Development

At first, puppies spend the large majority of their time sleeping and the rest feeding. They instinctively pile together into a heap, and become distressed if separated from physical contact with their littermates, by even a short distance.

[Codepen](#)



position: absolute

```

#box1 {
  height: 100px;
  width: 100px;
  background-color: red;
  position: absolute;
  top: 25px;
  left: 25px;
}

#box2 {
  height: 100px;
  width: 100px;
  background-color: blue;
  position: absolute;
  top: 50px;
  left: 50px;
}

#outside {
  position: absolute;
  background-color: green;
  width: 400px;
  height: 200px;
}

```

CSS

Codepen

```

be used for other mammals such
or even rats.</p>
<h2>Development</h2>
<p>At first, puppies spend
sleeping and the rest feeding.
into a heap, and become distress
contact with their littermates.

<div id="outside">
  <div id="box1"></div>
  <div id="box2"></div>
</div>
</body>

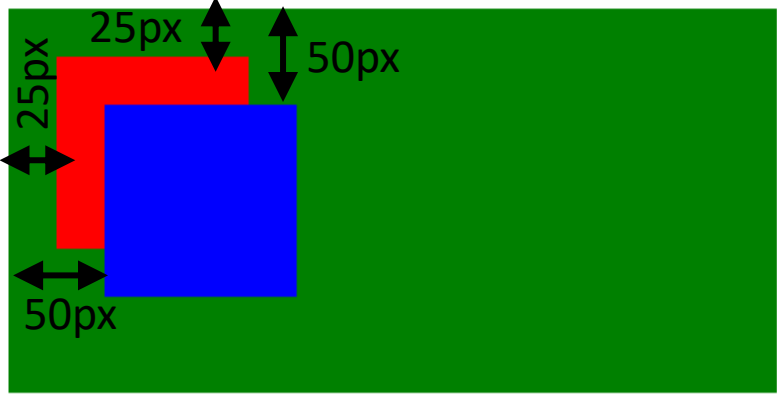
```

Puppy

A puppy is a juvenile dog. Some puppies can weigh 1–3 lb (0.45–1.36 kg), while larger ones can weigh up to 15–23 lb (6.8–10.4 kg). All healthy puppies grow quickly after birth. A puppy's coat color may change as the puppy grows older, as is commonly seen in breeds such as the Yorkshire Terrier. In vernacular English, puppy refers specifically to dogs, while pup may often be used for other mammals such as seals, giraffes, guinea pigs, or even rats.

Development

At first, puppies spend the large majority of their time sleeping and the rest feeding. They instinctively pile together into a heap, and become distressed if separated from physical contact with their littermates, by even a short distance.



Without top/bottom, left/right offsets, defaults to the normal flow in document: as no position was applied

