

Journey No.4

Advanced Topics

Version No.1

By :- Safaa El-Shafe'y



Social Media



Telegram Group



Facebook Page



LinkedIn Company Page



Telegram Channel



Facebook Group



LinkedIn Personal Account



YouTube Channel



ترتيبه قام جدرا

المحتوي كله مبني على بعضه
ينبغي مذاكرته بنفس ترتيب
الدروس





تنبيه قام جرا

✓ الجزء الخاص ب extra information هو جزء learning

✓ يعني انه لن يتم شرحه الفيديوهات ويجب مذاكرته لوحده
✓ وسوف يكون لون خلفيته اللون اللبناني مثل هذه الصفحة



الفهرس

- 1) Install vs code
- 2) Create a File
- 3) File Paths
- 4) Vs Code Extension Part 1
- 5) Vs Code Extension Part 2
- 6) Layout , Character Set and Favicon
- 7) Adding Bootstrap to my Project
- 8) Bootstrap from W3school Color
- 9) Text-size , Padding And Margin
- (solution) homework Nav Round 1
 - ❖ (Extra) Text decoration
- 10) (% vh vw) and Background
 - ❖ (Extra) Background
- 11) Shadow
- (solution) homework Nav Round 2
 - ❖ (Extra) Text Transform , Font Weight and italic
- 12) Gird System
- 13) Gird System Part 2
- (Extra) Borders
- 14) Font Awesome
 - (Solution) homework Font Awesome
 - ❖ (Extra) Reflection Image
- 15) Cards
 - (Solution) homework
 - ❖ (Extra) Filters
- 16) Transform
 - ❖ (Extra) Gradient
- 17) Quote Carousel
 - (solution) Homework
- 18) Display
- 19) D-Flex
- 20) Animation
 - (Solution) Homework
- 21) Animation.css



Lesson
No.1

Vs Code

Install a
program



START
Programming

By :- Safaa El-Shafe'y

Watch The video

Scan QR Code

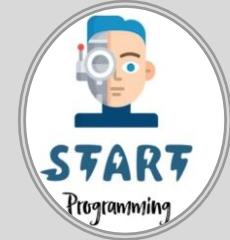


Click Here ...



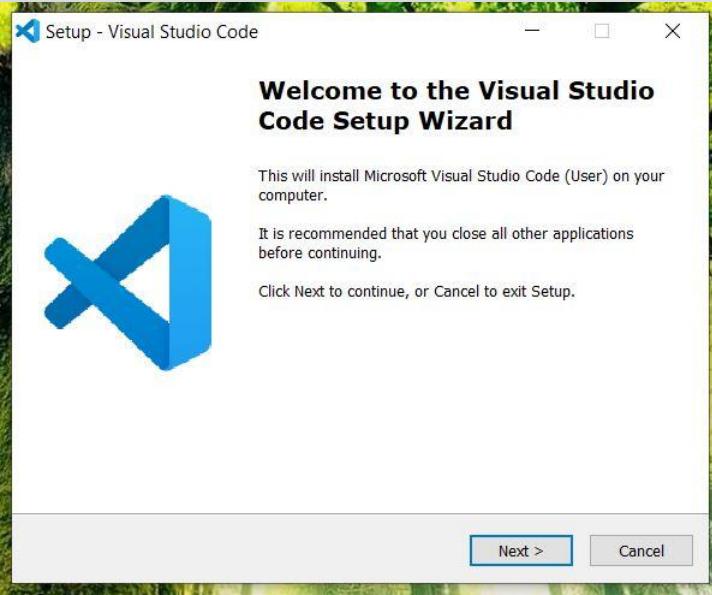
By :- Safaa El-Shafe'y

Install a Program



By :- Safaa El-Shafe'y

Installation



- ادوس على install
- بعدها next ➤
- وف الاخر finish



Lesson
No.2

Vs Code

Create File



By :- Safaa El-Shafe'y

Watch The video

Scan QR Code

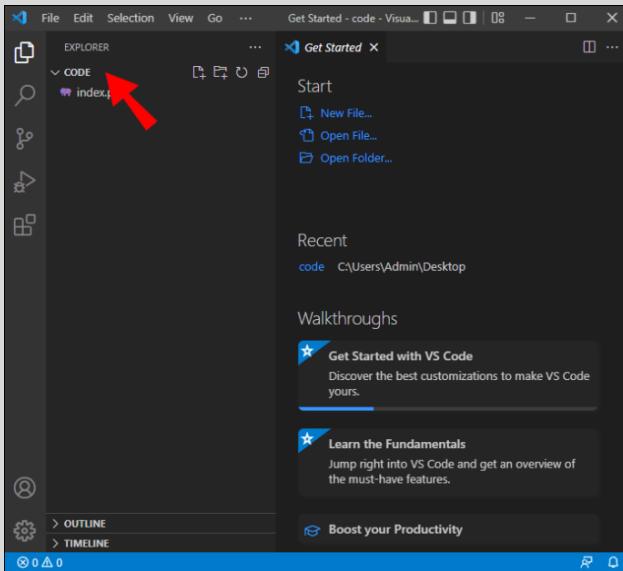


Click Here ...



By :- Safaa El-Shafe'y

Create File



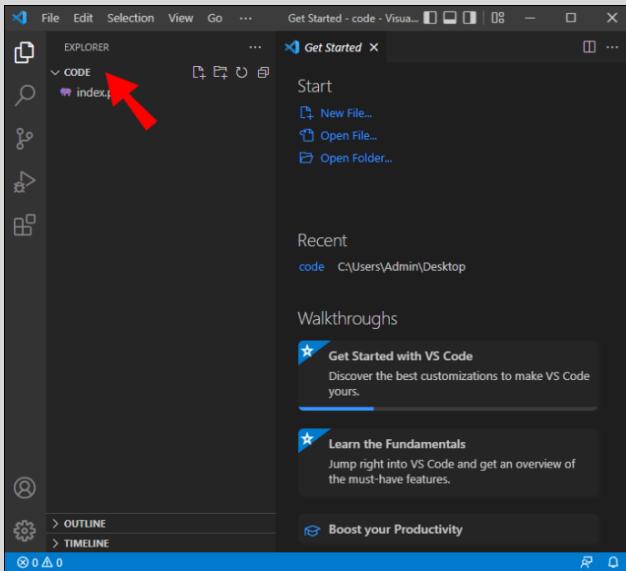
ادوس على File
واختار منها new text File
وبعدها اغير على حسب نوع الملف بتاعي



لو ملف html او CSS او js او python وهكذا
اختر نوع الملف



Save File



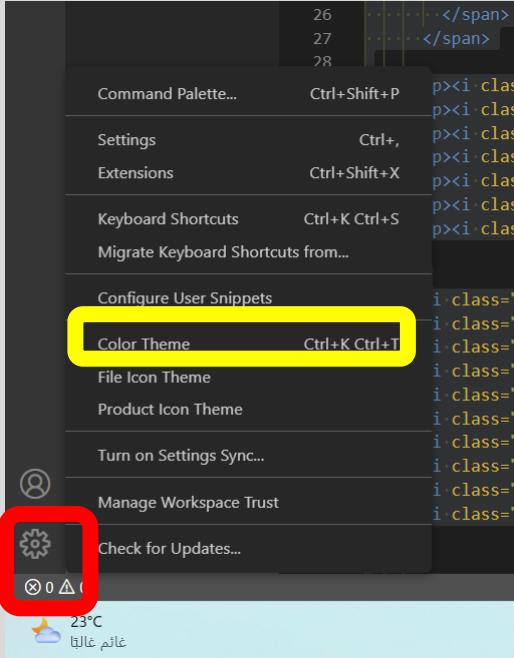
ادوس على File
واختار منها Save
وبعدها اكتب اسم ملف

Note

او ممكن ادوس على Ctrl + S



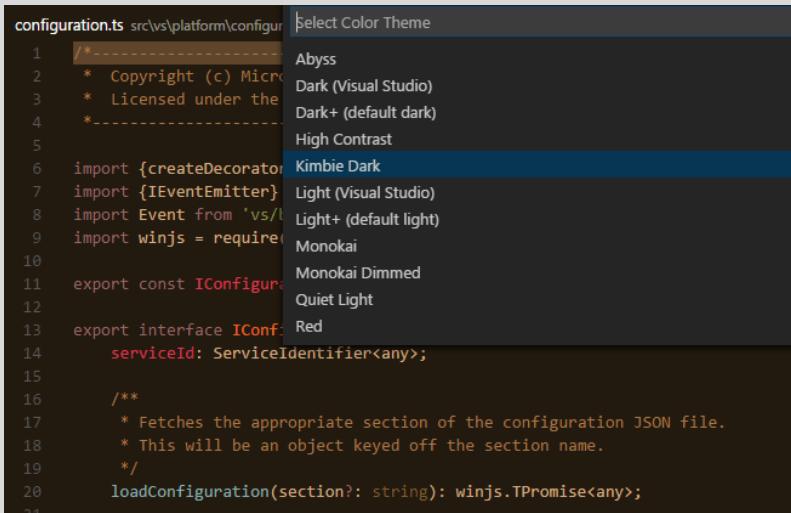
Color Theme



ادوس على علامه
من تحت ناحيه الشمال
واختار منها
وبعدها اختيار اي لون



Color Theme



A screenshot of a code editor window showing a file named 'configuration.ts'. The code is a configuration file for a platform. To the right of the code, a 'Select Color Theme' dropdown menu is open, listing various themes. The 'Kimbie Dark' theme is highlighted with a blue selection bar.

```
configuration.ts src\vs\platform\configuration.ts
1 /**
2  * Copyright (c) Microsoft Corporation. All rights reserved.
3  * Licensed under the MIT License.
4  */
5
6 import {createDecorator}
7 import {IEventEmitter}
8 import Event from 'vs/base/event'
9 import winjs = require('winjs')
10
11 export const IConfigurationService = winjs.Service
12
13 export interface IConfigurationService {
14     serviceId: ServiceIdentifier<any>;
15 }
16
17 /**
18  * Fetches the appropriate section of the configuration JSON file.
19  * This will be an object keyed off the section name.
20  */
21 loadConfiguration(section?: string): winjs.TPromise<any>;
```

ادوس على علامه
من تحت ناحيه الشمال
واختار منها
وبعدها اختيار اي لون

Note

ديه كده اختيارات الالوان موجوده عندي
كل اختيار هيغير كل الالوان البرنامج



الواجب - Homework



الواجب - Homework

مطلوب منك

(1) أعمل ملف نوعه html

(2) واذهب لمكان حفظه على الجهاز

(3) وافتحه على browser



**Lesson
No.3**

General

File Paths



By :- Safaa El-Shafe'y

Watch The video

Scan QR Code



Click Here ...



By :- Safaa El-Shafe'y

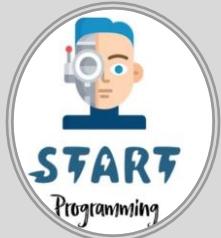
file is located in the same folder as the current page

- عشان اضیف ملف CSS موجود معایا ف نفس folder
- مش هحتاج اعمل اي حاجه غير اني اكتب اسمه فقط

```
<link rel="stylesheet" href="style.CSS">
```

Note

ده مش مع CSS file فقط لا مع اي file تاني زي صور او فيديو او JavaScript file وهكذا ...



file is located in the images folder in the current folder

```
<link rel="stylesheet" href=".//FolderName/  
style.CSS">
```

- عشان اضييف ملف CSS موجود جوه folder
- و Folder ده موجود معايا ف نفس folder اللي انا واقف عنده
- هكتب /. وبعدها اسم folder وبعدها عادي اسم File

ده مش مع CSS file فقط لا مع اي file تاني زي صور او فيديو او JavaScript file وهكذا ...

Note



file is located in the folder one level up from the current folder

```
<link rel="stylesheet" href="../FolderName  
/style.CSS">
```

عنان اضيف ملف CSS موجود جوه

folder

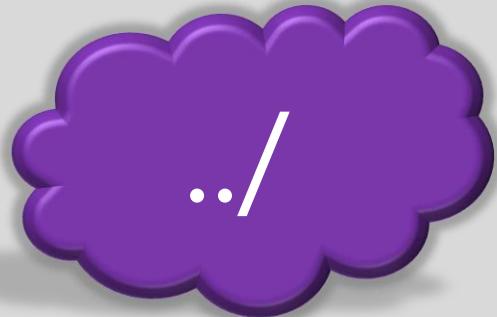
و Folder ده موجود برا Folder اللي
انا واقفه عنده

هكتب ../ وبعدها اسم folder وبعدها
عادي اسم File

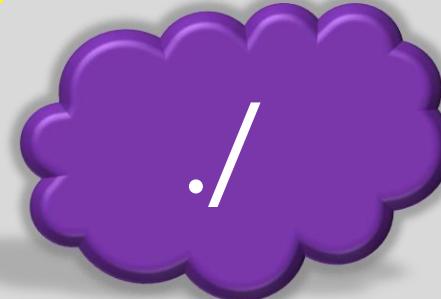
Note

ده مش مع CSS file فقط لا مع اي file تاني زي
صور او فيديو او JavaScript file وهكذا ...

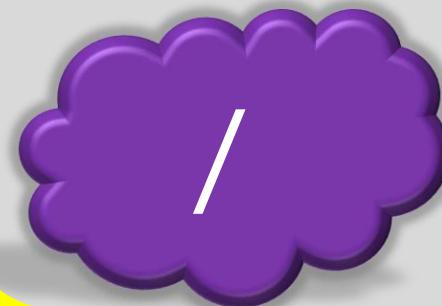




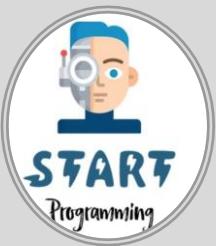
VS



Or



لازم ارجع خطوه لورا



لو folder نفس المكان معايا



File Path

Path	Description	Description (Ar)
	The "picture.jpg" file is located in the same folder as the current page	الصورة مع الملف ف نفس folder الموجود فيه ملف html
	The "picture.jpg" file is located in the images folder in the current folder	الصورة جوه folder موجود عادي ف نفس folder html ملف
	The "picture.jpg" file is located in the folder one level up from the current folder	الصورة موجوده جوه Folder برا اللي موجود فيه html ملف

الواجب - Homework



الواجب - Homework

مطلوب منك

- (1) تنسيق جميع مشاريع السابقه و عمل folder لكل حاجه
- (2) بحيث CSS files ل folder
- (3) و images ل folder
- (4) و JavaScript files ل folder
- (5) وهكذا وربطها ب html



Extra
Information

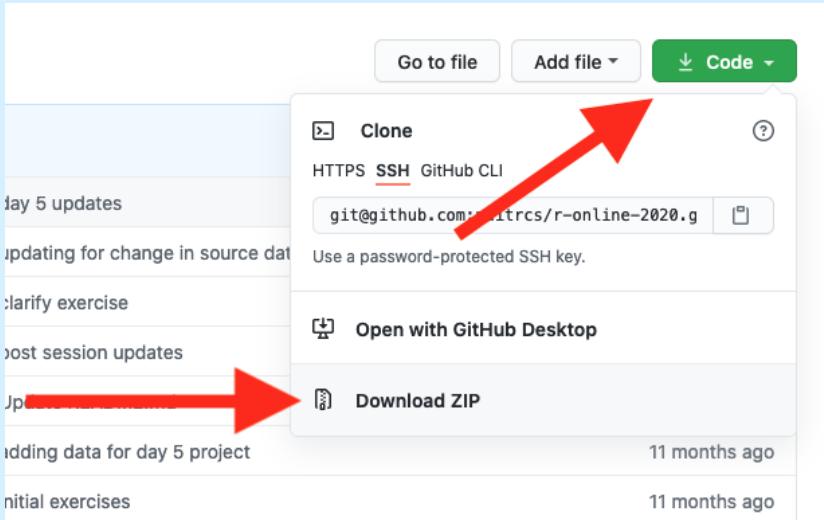
GitHub

Download
Project

By :- Safaa El-Shafe'y



Download a project



اضغط على كلمة Code
فتح لها menu يعني قائمه
اختر منها download zip

Note

هينزل لها project على هيئة ملف مضغوط



Zip File

Click Here ...



▶ لمعرفه كيفيه تعامل مع الملفات
المضغوطه

▶ يرجي مشاهده هذا الفيديو

Note

هذا الفيديو من سلسله Basic Computer-1
من رحله اساسيات الكمبيوتر المستوى الاول



Lesson
No.4

Vs Code

Extensions

Part 1

By :- Safaa El-Shafe'y



Watch The video

Scan QR Code



Click Here ...

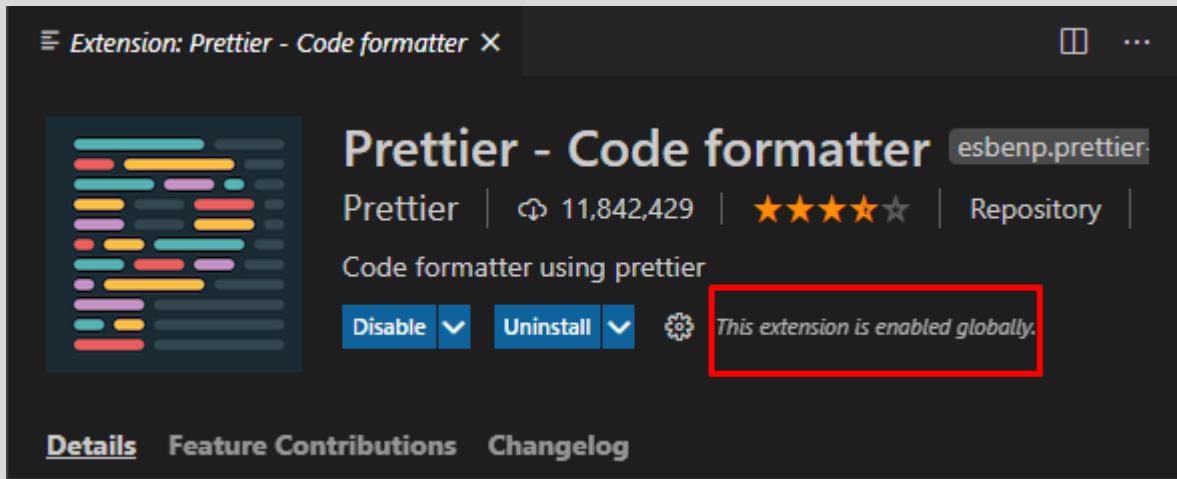


By :- Safaa El-Shafe'y

Part 1



Prettier



هيعمل ليा Code formatter يعني هينظم ليा الكود



Path Intellisense

The screenshot shows the official GitHub repository for the Path Intellisense extension. The page includes the extension's logo (a blue circle with a red diagonal line), its name, developer information (Christian Kohler), statistics (1,894,435 stars), and links to the repository and license. A green "Install" button is visible. Below the header, there's a brief description: "Visual Studio Code plugin that autocompletes filenames". The main content area contains code snippets and configuration examples. One snippet shows how to exclude files from autocompletion:

```
{  
  "files.exclude": {  
    "**/*.map.js": true  
  }  
}
```

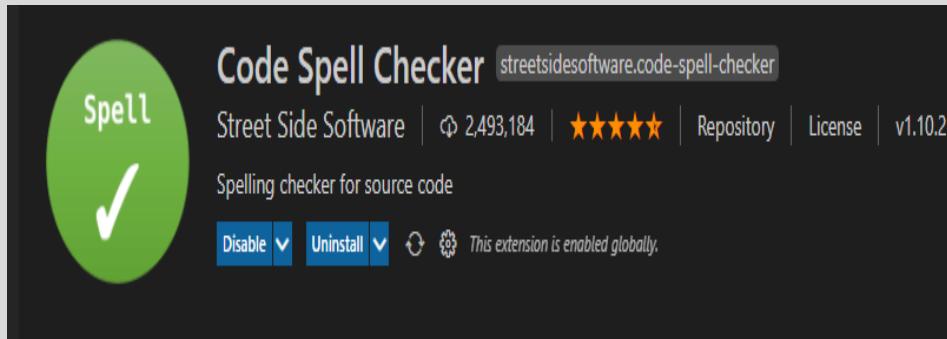
Another section discusses the "Auto slash when navigating to folder" feature, stating that by default, the extension does not add a slash after a directory.

لما اكتب / او ./ او ../
هيجيب ليا folders و files موجوده ف اي path



Code spell checker

لو كتبت كلمه غلط
هيصلحها ليها



مهم او ي مع اسماء tags وكمان يعمل ليها check
علي spelling بتابع اي كلمه
يعني يتاكد ليها انا كاتبها صح ولا غلط

Note



Bookmark



Bookmarks

Mark and Jump

هضيف bookmark ف
مكان معين ف الكود
وادر ارجع ليها لما احب

يحتاجها لما الكود يكبر وعاوزه ارجه لمكان معين
ومش اتوهه ف الكود كله

Note



الواجب - Homework



يلا نعمل الواجب



الواجب - Homework

مطلوب منك

(1) تنزيل كل Extensions



Lesson No.5

Vs Code

Extensions

Part 2

By :- Safaa El-Shafe'y



Watch The video

Scan QR Code



Click Here ...

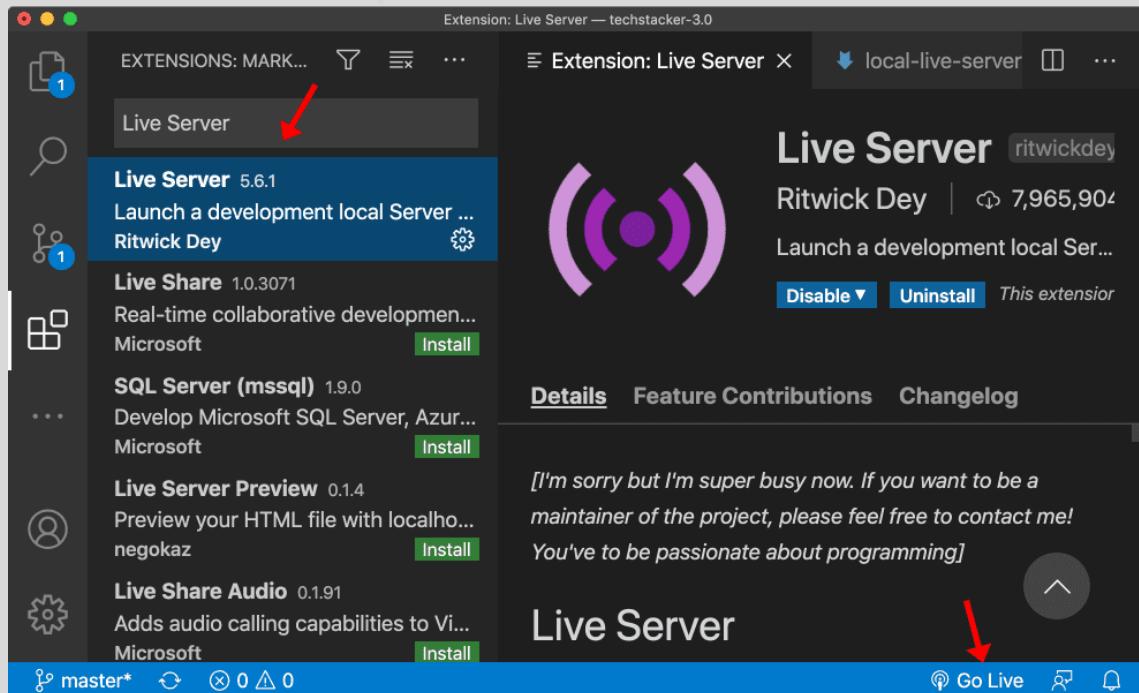


By :- Safaa El-Shafe'y

Part 2



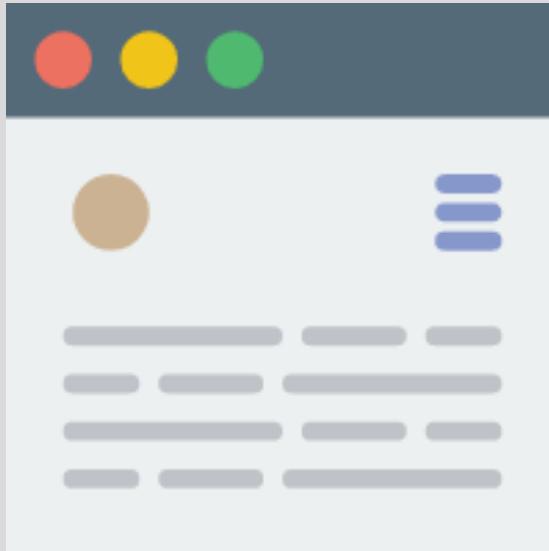
Live Server



أي تغير هعمله هيظهر ليـا
علي طول من غير ما
اعمل refresh



Open in browser



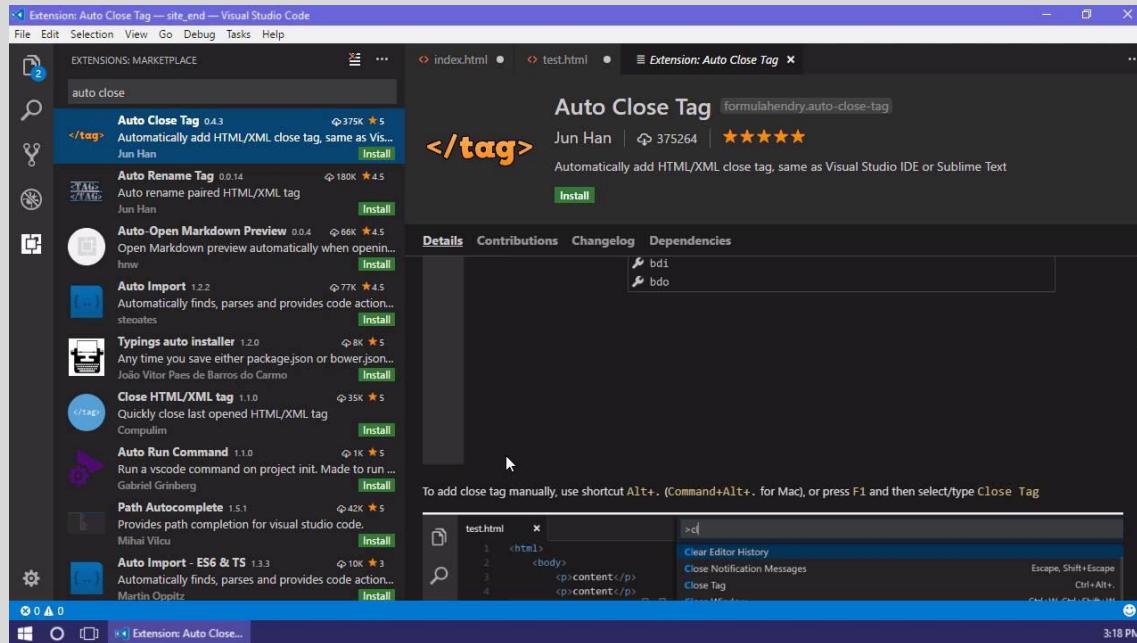
ادوس right click
واختار open in
هيفتح ليا على browser
طول

Note

مش هحتاج عشان افتح ملف اروح للمكان بتاعي
عندى علي الجهاز وافتحه



Auto Close Tag



لو فتح tag هیروح
یقفله لیا لوحده



Auto Rename Tag

لو غيرت open tag هيروح يغير
ليا كمان close tag

Extension: Auto Rename Tag X

Auto Rename Tag formulaahendry.auto-rename-tag

Jun Han | ⚡ 3,396,660 | ★★★☆☆ | Repository | v0.1.4

Auto rename paired HTML/XML tag

[Disable](#) ▾ [Uninstall](#) This extension is enabled globally.

[Details](#) [Feature Contributions](#) [Changelog](#)



HTML Tag Wrapper

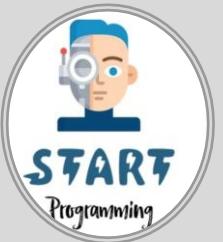


حدد Elements وادوس على
div هیروح يحط حولیهم Ctrl+ا

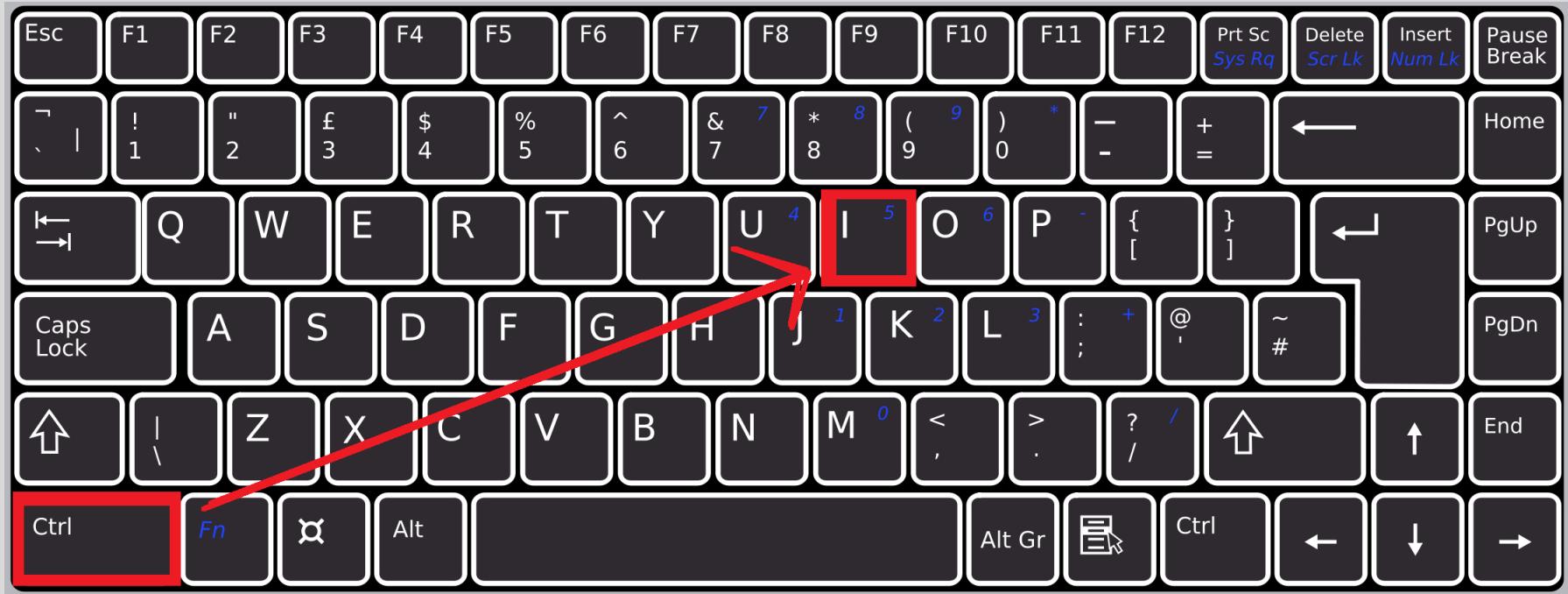
Note

هحتاجه جدا واحنا شغالین ف bootstrap عشان
هیبقي كل شغلنا على divs





HTML Tag Wrapper



الواجب - Homework



الواجب - Homework

مطلوب منك

(1) تنزيل كل Extensions



Lesson No.6

HTML

Layout

Character Set

Favicon

By :- Safaa El-Shafe'y



Watch The video

Scan QR Code

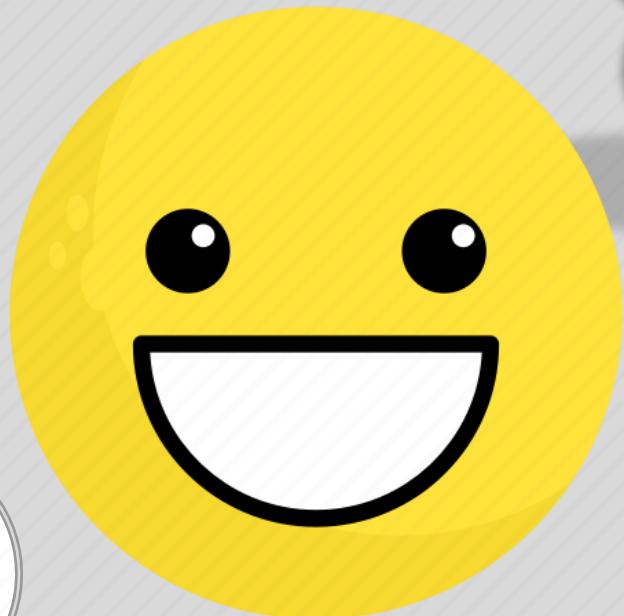


Click Here ...

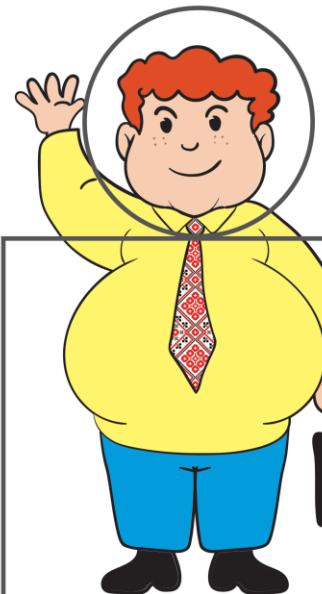


By :- Safaa El-Shafe'y

HTML Layout



HTML Layout

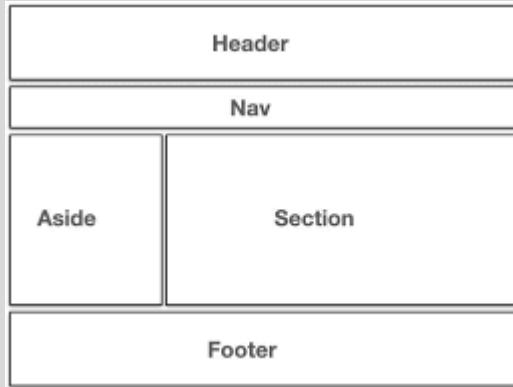


```
<html>  
  <head>  
    <title>  
      html-page of a friendly guy  
    </title>  
  </head>  
  <body>  
    Here content should be written  
  </body>  
</html>
```

اخدنا ف الرحله
الاولي

: html صفحه
Head ➤
Body ➤

HTML Layout



هندسة صفحه ل **header** **navigation Menu**
sections على هيئة **Content**
aside
Footer



<**header**> Defines a header for a document or a section
<**nav**> Defines a set of navigation links
<**section**> Defines a section in a document
<**aside**> Defines content aside from the content (like a sidebar)
<**footer**> Defines a footer for a document or a section

HTML Layout

HTML Tag

➤ Head

- title
- meta
- Link

➤ Body

header

✓ Nav

Section

aside

Footer

script

خلاص احنا
کبرنا و هنقسمها
کده

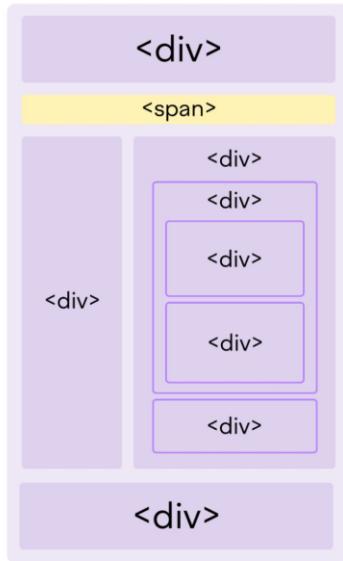
HTML Tags ➤



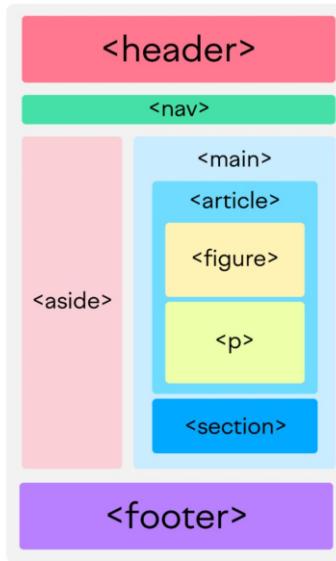
Semantic HTML

What Is Semantic HTML?

Non-Semantic HTML



Semantic HTML



انه بيوصف Semantic html ➔

محتوي الصفحة ➔

وال html بنسبه ل browser بيفقد ➔

معناه لما تنسى استخدام ال tags هو
انك تعمل اغلب اجزاء الصفحة ب

span...div

Non Semantic HTML

- `<article>` ✓
- `<section>` ✓
- `<header>` ✓
- `<main>` ✓
- `<nav>` ✓
- `<aside>` ✓
- `<footer>` ✓



ف بعض character هو
عارفها ف html مينفعش
استخدمها زي > بنسبة ليه
بيعبروا عن فتح اي Tag
لو عاوزه اكتبهم ف الموقع بتاعي
هيطبع ليا Error
أعمل ايه ؟؟؟



HTML Entities

```
&entity_name;
```

OR

```
&#entity_number;
```

To display a less than sign (<) we must
write: < or <

- ف بعض character هو عارفها ف html مينفعش استخدما زي > بنسبه ليه بيعبروا عن فتح اي Tag لو عاوزه اكتبهم ف الموقع بتاعي هيطلع ليها Error

Rule

- ❑ Some characters are reserved in HTML.
- ❑ If you use the less than (<) or greater than (>) signs in your text, the browser might mix them with tags.
- ❑ Character entities are used to display reserved characters in HTML.
- ❑ A character entity looks like this



HTML Entities

Result	Description	Entity Name	Entity Number
	non-breaking space	 	
<	less than	<	<
>	greater than	>	>
&	ampersand	&	&
"	double quotation mark	"	"
'	single quotation mark (apostrophe)	'	'
¢	cent	¢	¢
£	pound	£	£



HTML Symbols

```
<p>I will display &euro;</p>
<p>I will display &#8364;</p>
<p>I will display &#x20AC;</p>
```

- كل symbol يبقى ليه value خاصه بيـه
- سواء تكتب اسمـه
- او قيمـته ب decimal
- او قيمـته ب hexadecimal

Rule

- Display the euro sign, €, with an entity name, a decimal, and a hexadecimal value



HTML Symbols

Char	Number	Entity	Description
©	©	©	COPYRIGHT SIGN
®	®	®	REGISTERED SIGN
€	€	€	EURO SIGN
™	™	™	TRADEMARK
←	←	←	LEFTWARDS ARROW
↑	↑	↑	UPWARDS ARROW
→	→	→	RIGHTWARDS ARROW
↓	↓	↓	DOWNWARDS ARROW



Question

منین اعرف اسم کل Entities او رقمها ؟

QUESTION



موقع html Entities

https://www.w3schools.com/charsets/ref_utf_punctuation.asp



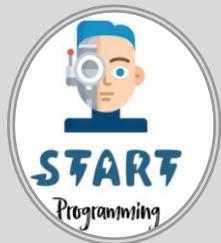
موقع W3school لـ html Symbols

https://www.w3schools.com/charsets/ref_utf_symbols.asp



موقع W3school ل Emotions html

https://www.w3schools.com/charsets/ref_emoji.asp



The HTML charset Attribute

```
<meta charset="UTF-8">
```

لو عاوزه كل Character و Symbols تظهر ليا
بشكل صح لازم اضيف UTF-8
بكتب head tag بداخل meta

Rule

- To display an HTML page correctly, a web browser must know the character set used in the page.
- This is specified in the `<meta>` tag
- The HTML5 specification encourages web developers to use the UTF-8 character set, which covers almost all of the characters and symbols in the world!



What is a favicon?



Favicon

Question

✓ ازاي اقدر اعمل favicon ف الموقع بتاعي ؟



Favicon

```
<link rel="icon" type="image/x-icon" href="/images/favicon.ico">
```

للتغيير icon website داخل Tab

بكتتها جوه head element

اكتتها بنفس طريقة ديه

واحول Extension ico خاص بالصوره ل

Rule

- A favicon image is displayed to the left of the page title in the browser tab



موقع لتحويل Favicon إلى ico.

<https://www.favicon.cc/>



الواجب - Homework



يلا نعمل الواجب



الواجب - Homework

تقسيم كل مشاريع السابقه لـ

HTML

➤ Head

- Meta
- Link
- title

➤ Body

- header
- Nav
- Section
- aside
- Footer

مطلوب منك



الواجب - Homework

مطلوب منك

□ تغيير Extension الخاص بصوره القناه ل .ico

□ تغيير favicon ف المشاريع السابقه ب logo

القناه



Lesson No.7

Bootstrap

Adding

Bootstrap to

My Project



START
Programming

By :- Safaa El-Shafe'y

Watch The video

Scan QR Code



Click Here ...



By :- Safaa El-Shafe'y



Bootstrap



Adding Bootstrap

- 1) Download Bootstrap File
- 2) Link CSS File
- 3) Link JavaScript Files
- 4) Write Meta Tags

Note

طريقه جايده ديه لو عاوز تضيف bootstrap من موقع
وده الافضل bootstrap



لتحميل ملفات Bootstrap

<https://getbootstrap.com/docs/5.2/getting-started/download/>



Project Folder

Name	Date modified	Type	Size
bootstrap	10/18/2022 11:30 PM	File folder	
index	11/12/2022 10:05 PM	Chrome HTML Do...	0 KB

Name	Date modified	Type	Size
css	10/18/2022 11:30 PM	File folder	
js	10/18/2022 11:30 PM	File folder	

عملت project اسمه folder و حطيت
جوه bootstrap اسمه folder
2 folders جوه bootstrap و
js و Css هما



Link CSS File

```
<link rel="stylesheet" href=".//boots  
trap/CSS/bootstrap.min.CSS">
```

- عشان اضيف ملف CSS
- رحت كتبت /. عشان انا وافقه عزد ملف html
- و folder bootstrap موجود معانيا ف نفس المكان
- وبعد كده دخلت جواه ل folder CSS
- ومنه كتبت اسم ملف

اكتب head ف link tag

Note



Add JavaScript Files

```
<!-- Latest compiled JavaScript -->
<script src="./bootstrap/js/bootstrap.min.js"></script>
```

- عشان اضيف ملف JavaScript
- رحت كتبت/. عشان انا واقفه عند ملف html
- و موجود معاليا في نفس المكان
- وبعد كده دخلت جواه ل folder js
- ومنه كتبت اسم ملف

Note

□ بكتب Script ف نهاية body
□ قبل ما اكتب Close tag بتابع body

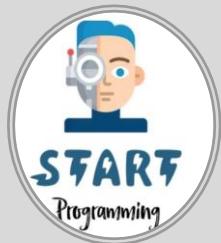


طب انا عاوز اخذ
اكواد من علي موقع
?



موقع Bootstrap

<https://getbootstrap.com/>



الواجب - Homework



الواجب - Homework

مطلوب منك

- (1) تحميل bootstrap
- (2) وربطها ب جميع المشاريع السابقه
- (3) تغير شكل القائمه ف جميع المشاريع السابقه



Lesson No.8



Bootstrap

Bootstrap from W3school

Color

By :- Safaa El-Shafe'y

Watch The video

Scan QR Code



Click Here ...



By :- Safaa El-Shafe'y

A large yellow circular emoji with a smiling mouth and two black eyes, positioned on the left side of the slide.

W3school



Bootstrap Versions

Note

خلي بالك ان bootstrap ليه اكتر من
Versions
لحد وقتنا هذا (سنة 2022) نزل
3versions
لازم تتأكد انك منزل ملفات نفس
version اللي انت واخذ codes
بتاعتته عشان يشتغل معاك صح

-
-
-



Bootstrap Versions



- Bootstrap 3
- Bootstrap 4
- Bootstrap 5

اخر version ف 2022



احنا شغالين على
bootstrap 5



Adding Bootstrap

- 1) Link CSS File
- 2) Link JavaScript Files
- 3) Write Meta Tags

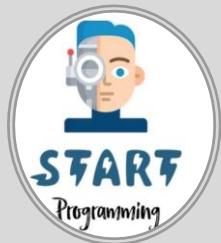
Note

طريقه جایه ديه لو عاوز تضييف bootstrap بس
3.6.0 Version وديه طريقه موجوده علي
w3school



موقع Bootstrap

https://www.w3schools.com/bootstrap5/bootstrap_get_started.php



Link CSS File

```
<!-- Latest compiled and minified  
CSS -->  
<link href="https://cdn.jsdelivr.net  
/npm/bootstrap@5.2.2/dist/CSS/bootst  
rap.min.CSS" rel="stylesheet">
```

عنان اضیف ملف CSS ➤

Note

اكتب link tag ف head



Add JavaScript Files

```
<!-- Latest compiled JavaScript -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js"></script>
```

► اضافه ملفات JavaScript ف نهایه body



Add Meta Tag

اضافه head بداخل meta Tag ➤

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```





Color in
bootstrap



Color in Bootstrap

الألوان في bootstrap لها اسماء ➔

*-primary blue #007bff	*-info teal #17a2b8	*-success green #28a745
*-warning yellow #ffc107	*-danger red #dc3545	*-dark dark gray #343a40
*-secondary gray #6c757d	*-light light gray #f8f9fa	*-white white #ffffff



Change text Color in Bootstrap

- .text-muted class
- .text-muted class
- .text-success class
- .text-info class
- .text-warning class
- .text-danger class
- .text-secondary class

- .text-dark class
- .text-body class

هكتب- text- وبعدها اكتب اسم اللون ➔



Background Color in Bootstrap

هكتب bg- وبعدها اكتب اسم اللون ➔

.bg-primary	.bg-secondary	.bg-success
.bg-danger	.bg-warning	.bg-info
.bg-light	.bg-dark	.bg-body
.bg-white	.bg-transparent	



button Color in Bootstrap

هكتب -btn وبعدها اكتب اسم اللون ➔

Primary Secondary Success Danger Warning Info Light Dark Link

```
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-info">Info</button>
<button type="button" class="btn btn-light">Light</button>
<button type="button" class="btn btn-dark">Dark</button>

<button type="button" class="btn btn-link">Link</button>
```



border Color in Bootstrap



هكتب border- وبعدها اكتب اسم اللون ➔

```
<span class="border border-primary"></span>
<span class="border border-secondary"></span>
<span class="border border-success"></span>
<span class="border border-danger"></span>
<span class="border border-warning"></span>
<span class="border border-info"></span>
<span class="border border-light"></span>
<span class="border border-dark"></span>
<span class="border border-white"></span>
```



links Color in Bootstrap

```
<a href="#" class="link-primary">Primary link</a>
<a href="#" class="link-secondary">Secondary link</a>
<a href="#" class="link-success">Success link</a>
<a href="#" class="link-danger">Danger link</a>
<a href="#" class="link-warning">Warning link</a>
<a href="#" class="link-info">Info link</a>
<a href="#" class="link-light">Light link</a>
<a href="#" class="link-dark">Dark link</a>
```

هكتب link وبعدها اكتب اسم اللون
عشان اغير اللون الخاص باي link



لمزيد من المعلومات عن Color in bootstrap

<https://getbootstrap.com/docs/5.2/utilities/colors/>



طب لو انا عاوز
لون غير الالوان ديه
اعمل ايه ؟



CSS

Color in CSS

اقدر بمنتهي السهوله اديها class واروح اديله
اي CSS انا عاوزه ف Color
بنفس طريقه الرحله الاولى عادي جدا

```
.logo{  
    border-color:red;  
    Color:#FFF;  
    Background-color:rgb(12,1,4);  
}
```



الواجب - Homework



الواجب - Homework

مطلوب منك

تحميل bootstrap (1)

وربطها ب جميع المشاريع السابقه (2)

تغير شكل القائمه ف جميع المشاريع السابقه (3)





Start Programming

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Motivation

Work

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Safaa El-Shafe'y

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Part 1 for young ages and teenagers

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Lesson
No.9

Bootstrap

Text-size

Padding And Margin



By :- Safaa El-Shafe'y

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By :- Safaa El-Shafe'y

Heading

```
<h1>h1. Bootstrap heading</h1>
<h2>h2. Bootstrap heading</h2>
<h3>h3. Bootstrap heading</h3>
<h4>h4. Bootstrap heading</h4>
<h5>h5. Bootstrap heading</h5>
<h6>h6. Bootstrap heading</h6>
```

عنوان اعمل احجام ➤

```
<h1>Heading 1</h1>
```

```
<h2>Heading 2</h2>
```

```
<h3>Heading 3</h3>
```

```
<h4>Heading 4</h4>
```

```
<h5>Heading 5</h5>
```

```
<h6>Heading 6</h6>
```



Bootstrap

```
<p class="h1">h1. Bootstrap heading</p>
<p class="h2">h2. Bootstrap heading</p>
<p class="h3">h3. Bootstrap heading</p>
<p class="h4">h4. Bootstrap heading</p>
<p class="h5">h5. Bootstrap heading</p>
<p class="h6">h6. Bootstrap heading</p>
```

Heading

عنان اعمل احجام ف heading h6 ل h1 استعمل من bootstrap

```
<h1>Heading 1</h1>

<h2>Heading 2</h2>

<h3>Heading 3</h3>

<h4>Heading 4</h4>

<h5>Heading 5</h5>

<h6>Heading 6</h6>
```



Bootstrap

```
<div class="h1">h1. Bootstrap heading</div>
<div class="h2">h2. Bootstrap heading</div>
<div class="h3">h3. Bootstrap heading</div>
<div class="h4">h4. Bootstrap heading</div>
<div class="h5">h5. Bootstrap heading</div>
<div class="h6">h6. Bootstrap heading</div>
```

Heading

عنان اعمل احجام heading ف bootstrap استعمل من h1 ل h6 ممكن احطها ف div او فيه p

```
<h1>Heading 1</h1>

<h2>Heading 2</h2>

<h3>Heading 3</h3>

<h4>Heading 4</h4>

<h5>Heading 5</h5>

<h6>Heading 6</h6>
```



Small

```
<h3>  
Fancy display heading  
<small>With faded secondary text</small>  
</h3>
```

لو عاوزه اصغر الحجم اكتر من
heading
اكتبه جوه Small

Note

يبقى ده كده هيوفر ليها font size اصغر من
سيكا heading



Display-

```
<h1 class="display-1">Display 1</h1>
<h1 class="display-2">Display 2</h1>
<h1 class="display-3">Display 3</h1>
<h1 class="display-4">Display 4</h1>
<h1 class="display-5">Display 5</h1>
<h1 class="display-6">Display 6</h1>
```

لو عاوزه اكتر الحجم عن

heading

قدر اديله class display واغير رقم

من 1 ل 6

Note

يبقى ده كده هيوفر ليا font size اكتر من heading سيكا



Display-

Display Heading 1
Display Heading 2
Display Heading 3
Display Heading 4
Display Heading 5
Display Heading 6

▶ حيث Display-1 اكبر حاجه
و display-6 اصغر حاجه

```
<h1>Heading 1</h1>  
  
<h2>Heading 2</h2>  
  
<h3>Heading 3</h3>  
  
<h4>Heading 4</h4>  
  
<h5>Heading 5</h5>  
  
<h6>Heading 6</h6>
```



Display-

```
$display-font-sizes{  
 1: 5rem,  
 2: 4.5rem,  
 3: 4rem,  
 4: 3.5rem,  
 5: 3rem,  
 6: 2.5rem );
```

كل رقم بيساوي قيمة معينه ب rem لو عاوز اعمله ب CSS بنفسي من غير ما استعمل bootstrap

Note

- معلومه دي للتوضيح ان كل حاجه ف bootstrap اقدر اعملها ف CSS
- بس استعمل bootstrap لسهيل و اختصار الوقت



Lead

```
<div class="lead"> This is a lead paragraph. It stands  
out from regular paragraphs. </div>
```

لو عاوزه اعمل Class paragraph
كده هيدyi ليا font size اد بالظبط
الحجم بتاع paragraph



لمزيد من المعلومات Typography

[https://getbootstrap.com/docs/5.2/content/typograp
hy/#global-settings](https://getbootstrap.com/docs/5.2/content/typography/#global-settings)



Bootstrap

Font size

```
<p class="fs-1">.fs-1 text</p>
<p class="fs-2">.fs-2 text</p>
<p class="fs-3">.fs-3 text</p>
<p class="fs-4">.fs-4 text</p>
<p class="fs-5">.fs-5 text</p>
<p class="fs-6">.fs-6 text</p>
```

- لو عاوز استعمل خاصيه font-size
- موجوده ف bootstrap
- علي هيئه Class اسمه fs-
- واكتب اي رقم من 1 ل 6

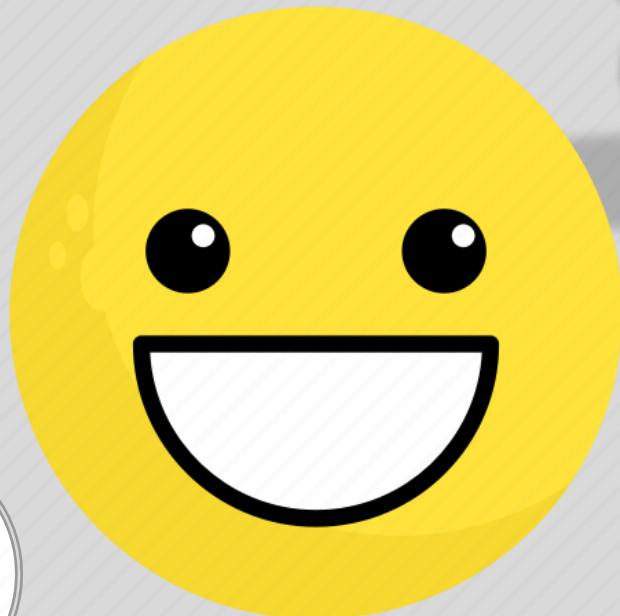


لمزيد من المعلومات Font size

<https://getbootstrap.com/docs/5.2/utilities/text/>



Padding



Bootstrap

Padding

لو عاوز اعمل padding ف P Class استعمل bootstrap

كده هي عمل ليا padding ف كل اتجاهات

بحيث zero مفيش خالص و كل مدي يزيد بحيث 5 هي اعلي حاجه خالص

P-0
P-1
P-2
P-3
P-4
P-5



Bootstrap

Padding

p-5

p-4

p-3

p-2

p-1

p-0



Bootstrap

Margin

لو عاوز اعمل margin ف m Class استعمل bootstrap

كده هيعمل ليا margin ف كل اتجاهات

بحيث zero مفيش margin خالص و كل مدي يزيد بحيث 5 هي اعلي حاجه خالص

- m-0
- m-1
- m-2
- m-3
- m-4
- m-5



Bootstrap

Margin top

لو عاوز اعمل top margin ف
mt Class استعمل bootstrap

كده هيعمل ليا margin من ناحيه
فقط

يبقى كده m معناها و t
معناها Top

- mt-0
- mt-1
- mt-2
- mt-3
- mt-4
- mt-5



Bootstrap

Margin Left

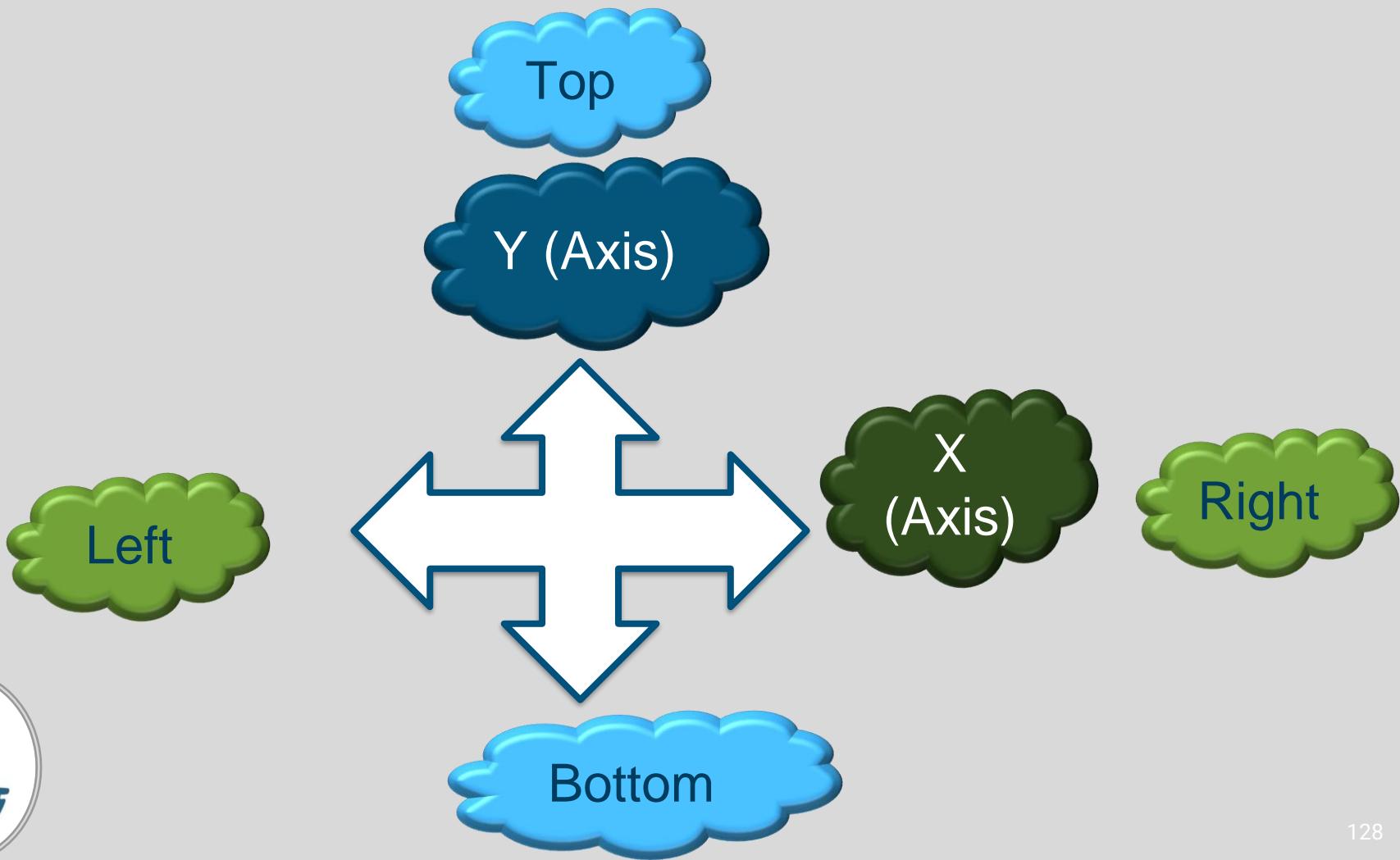
لو عاوز اعمل left margin ف ml Class استعمل bootstrap

كده هيعمل ليا margin من ناحيه left فقط

يبقى كده معناها m و L margin معناها Left

- ml-0
- ml-1
- ml-2
- ml-3
- ml-4
- ml-5





Bootstrap

Margin Left & right

لو عاوز اعمل left and right ف bootstrap استعمل margin mx Class

- mx-0
- mx-1
- mx-2
- mx-3
- mx-4
- mx-5

يبقى كده m معناها x و margin معناها left & right



Bootstrap

Margin bottom & top

لو عاوز اعمل top and bottom ف bootstrap استعمل my Class

- my-0
- my-1
- my-2
- my-3
- my-4
- my-5

يبقى كده m معناها margin و معناها top & bottom



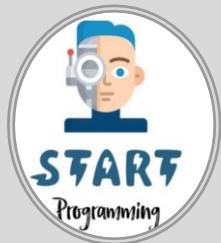
Padding & Margin

	Padding	Margin
All 4 side	P-	M-
Top	Pt-	Mt-
bottom	Pb-	Mb-
left	Pl-	Ml-
right	Pr-	Mr-
Right & left	Px-	Mx-
Top & bottom	Py-	My

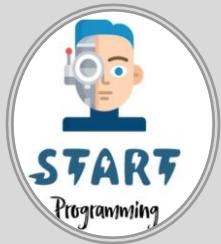


لمزيد من المعلومات
عن margin &
padding

<https://getbootstrap.com/docs/5.2/utilities/spacing/>



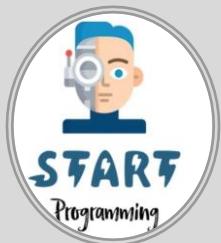
الواجب - Homework



الواجب - Homework

مطلوب منك

- (1) تغير احجام كتابه ف المواقع السابقه واستخدام Font size الخاصه ب bootstrap
- (2) استخدام padding & margin ف المشاريع السابقه عن طريق bootstrap





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يلا نحل الواجب

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By :- Safaa El-Shafe'y



**Extra
Information**

CSS

Text Decoration

By :- Safaa El-Shafe'y



CSS

underline

- أحط سطر تحت الكلام
- اغير لون الخط

```
text-decoration: underline;  
text-decoration-color: blue;
```

teeth, and a fiery nature. She enjoyed hunting lions from horseback, but she was also fond of books and learning. Her intellectual interests included military tactics, Greek philosophy, and foreign languages. Although she was an Arab, she claimed to be descended from Alexander the Great of Greece and from Queen Cleopatra of Egypt.



CSS

none

▶ لازاله اي text decoration ل مييقاش ازرق
▶ مثل link لو عاوز لونه مييقاش ازرق
و مييقاش تحته خط

text-decoration: none;

```
li{  
    list-style: none;  
    display: inline-block;  
}  
  
a{  
    text-decoration: none;  
    color: black;  
}
```



Bootstrap

underline

أحط سطر تحت الكلام ➔

.text-decoration-underline

Start Programming





CSS

Line Through

- اعمل خط جوه الكلمه
- الخط داخل جوه الكلام

```
text-decoration: line-through;
```

~~Strikethrough~~



Bootstrap

Line Through

- اعمل خط جوه الكلمه
- الخط داخل جوه الكلام

.text-decoration-line-through

~~Strikethrough~~



Text decoration

Text-Decoration

text-decoration:none
text-decoration:overline
text-decoration:underline
text-decoration:line-through

Description	CSS	Bootstrap
من غير اي حاجه خالص	none	.text-decoration-none
فوقيه سطر	overline	.text-decoration-overline
تحتها سطر	underline	.text-decoration-underline
بداخلها سطر	Line-through	text-decoration-line-through



CSS

highlighted text

- أعمل علي كلمة معينه
- يعني اديها لون ف الخلفيه كده عشان تبقي مميزة

```
<p>  
This is some<mark>highlighted text</mark>  
</p>
```

This is some highlighted text



Bootstrap

highlighted text

أعمل على کلمه معينه ➤

.mark

This is some highlighted text



لمزيد من المعلومات
عن **Text**

<https://getbootstrap.com/docs/5.2/utilities/text/>



Lesson No.10

css

% vh vw

Background

By :- Safaa El-Shafe'y



Watch The video

Scan QR Code



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By :- Safaa El-Shafe'y

%

Vh
vw

VS





CSS

% - Vh - Vw

- % بتقى على اساس parent اللي هي موجوده فيه
- لكن Vh vw بتقى على حسب حجم Screen

%: Relative to the parent element
VW: Relative to the viewport's width
VH: Relative to the viewport's height





Max-width

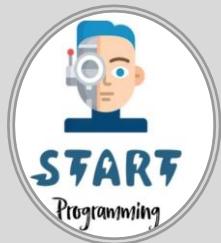
اقصي حجم يقدر ياخده ➤

Max-width : 700px;



تغیر طول والعرض بـ bootstrap

<https://getbootstrap.com/docs/5.2/utilities/sizing/>



Background



Background-size

```
body {  
    background-  
    image: url("img_tree.png");  
    background-size: cover;  
}
```

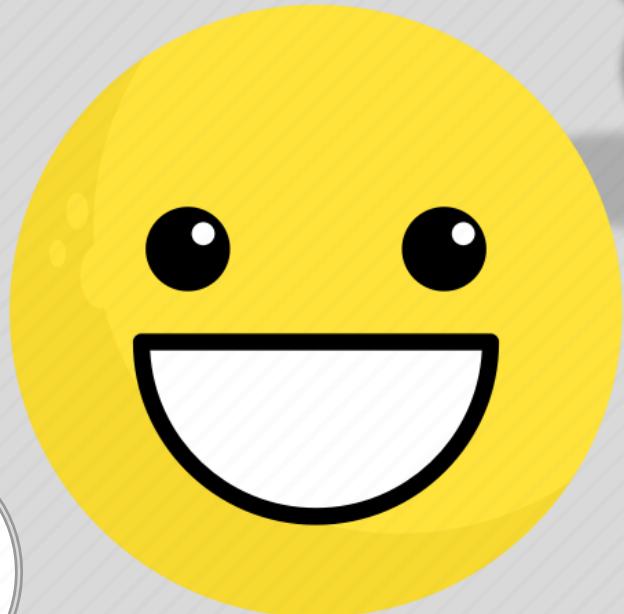
لما ادي **background** اختيار **cover** هتغطي الصوره الخلفيه كلها



- The **background-size** property specifies the size of the background images



Alignment



CSS

Text align

```
Text-align:right;  
Text-align:left;  
Text-align:center;
```

- عشان اغير مكان text
- ❖ اقدر احطه ناحيه يمين
- ❖ شمال
- ❖ ف النص



Bootstrap

```
<p class="text-end">Right aligned text  
on all viewport sizes.</p>  
<p class="text-start">Left aligned text  
on all viewport sizes.</p>  
<p class="text-center">Center aligned  
text on all viewport sizes.</p>
```

Text Alignments

- عشان اغير مكان text
- ❖ اقدر احطه ناحية يمين
- ❖ شمال
- ❖ ف النص



لمزيد من المعلومات عن Text alignments

<https://getbootstrap.com/docs/5.2/utilities/text/>



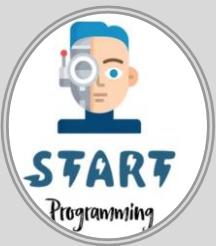
Container

Container-Fluid

VS



Container Vs Container-fluid



Bootstrap

Container

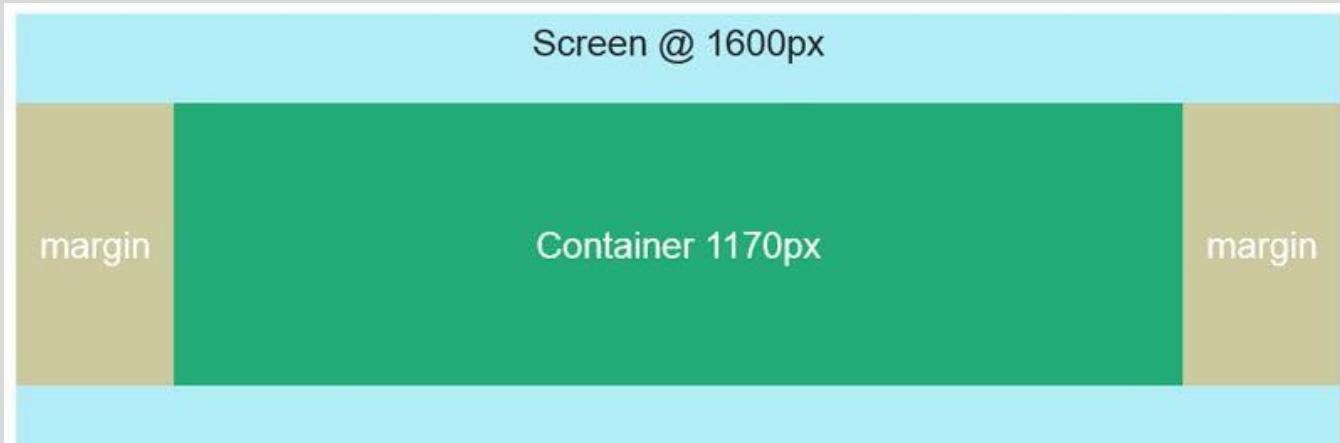
```
<div class="container text-center">  
Container Div</div>
```

▶ هيسيب ليا مسافه من ناحيه اليمين
والشمال



Container

- ▶ بحیث لو شاشه 1600px
- ▶ هیسیب لیا margin من ناحیه اليمین والشمال ویبقي container هیاخد فقط 1170px



Bootstrap

Container-Fluid

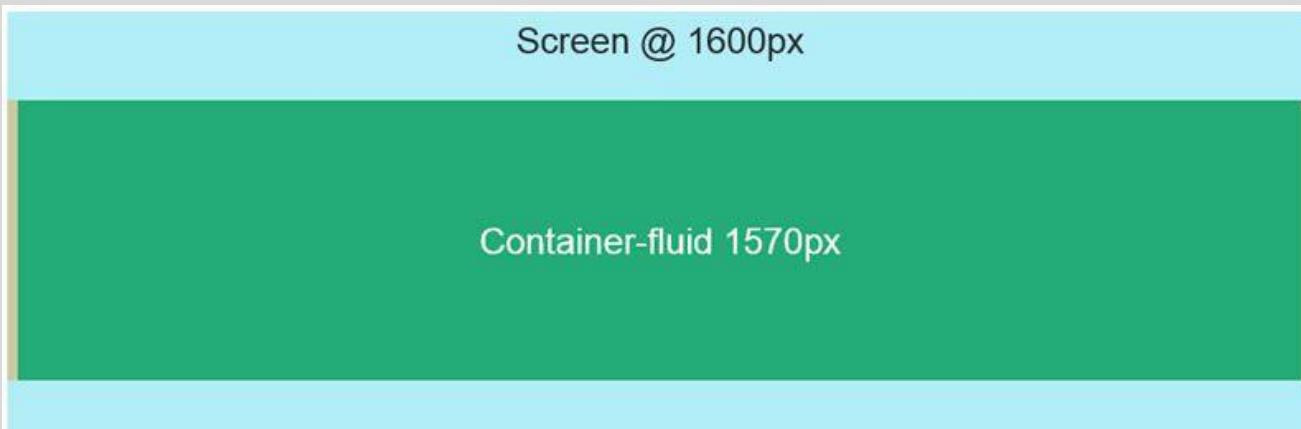
```
<div class="container-fluid">  
Container fluid Div</div>
```

- هيسيب ليا مسافه من ناحيه اليمين والشمال صغيره جدا
- ممكن تعتبر انه مش هيسيب ليا حاجه
- وهبيقي Div بتاعي هياخد عرض صفحه كله



Container-fluid

- ▶ بحیث لو شاشه 1600px
- ▶ هیسیب لیا margin من ناحیه اليمین
والشمال قلیل جدا
- ▶ ویقی container هیاخد 1570px فقط



لمزيد من المعلومات

Container vs
Container -fluid

<https://getbootstrap.com/docs/5.2/layout/containers/>



الواجب - Homework



الواجب - Homework

مطلوب منك

(1) عمل جزء home من موقع المشروع اثناء الفيديو لوحده (

الخاص ب Round1) ف الرحله الاولى ولكن باستخدام

Bootstrap

(2) عمل جزء الخاص ب home من موقع (Round 2) ف

الرحله الثانيه ولكن باستخدام Bootstrap





Start Programming

Login

Home

Vision

Courses

Plans

Safaa El-Shafe'y

This channel specializes in learning programming for underage (from 12 years old).

We try to make programming more easier , fun and available for anyone .

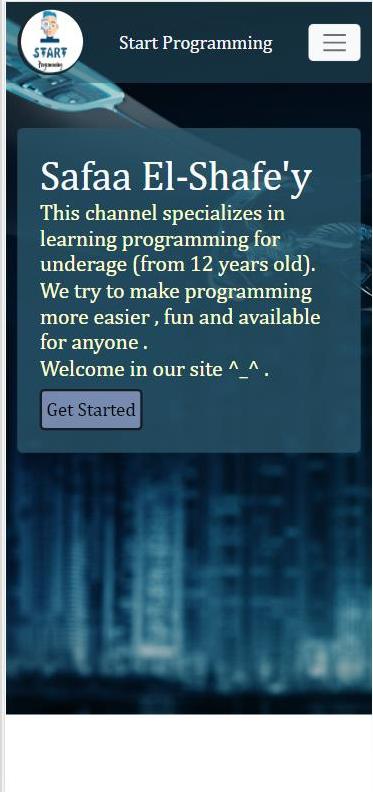
Welcome in our site ^_^ .

Get Started

الواجب

Part 1





الواجب - Homework

Responsive
Design

**Extra
Information**

CSS

Background



START
Programming

By :- Safaa El-Shafe'y



CSS

Background-repeat

كده الصوره هتكرر معايا ف الخلفيه ➔

```
body {  
    background-  
image: url("img_tree.png");  
    background-repeat: repeat;  
}
```



Rule

The background image is repeated both vertically and horizontally. The last image will be clipped if it does not fit. This is default



CSS

Background-repeat

```
body {  
    background-  
    image: url("img_tree.png");  
    background-repeat: no-repeat;  
}
```

اقدر استعمل no-repeat

لو عاوز الصوره مش تكرر معايا



- The background-image is not repeated. The image will only be shown once



CSS

Background-repeat

```
body {  
    background-  
    image: url("img_tree.png");  
    background-repeat: repeat-x;  
}
```

هتكرر بتاعي من ناحيه العرض بس ➤



Rule

- ❑ The background image is repeated only horizontally

CSS

Background-repeat

```
body {  
    background-  
    image: url("img_tree.png");  
    background-repeat: repeat-y;  
}
```

هتكرر بتعالي من ناحيه الطول بس ➤



Rule

- ❑ The background image is repeated only vertically



لمزيد من المعلومات

Background-repeat

https://www.w3schools.com/cssref/pr_background-repeat.php





CSS

Background-attachment

```
body {  
    background-  
    image: url("img_tree.png");  
    background-repeat: no-repeat;  
    background-position: right top;  
    background-attachment: scroll;  
}
```

لو Scroll الخلفيه هتنزل معاك ويجب
لياً بقيه الصوره وهو بيعمل Scroll
لو fixed مش هتغير لما يعمل Scroll
هيفضل شكلها زي ما هو



Rule

- The **background-attachment** property specifies whether the background image should scroll or be fixed (will not scroll with the rest of the page)



لمزيد من المعلومات

Background-attachment

https://www.w3schools.com/cssref/pr_background-attachment.php



CSS

Background-Position

```
body {  
background-  
image: url('w3css.gif');  
background-repeat: no-repeat;  
background-attachment: fixed;  
background-position: center;  
}
```

- اقدر اتحكم ف مكان الصوره فين بالضبط
- كده هيحط ليا صوره الخلفيه ف النص



Rule

The **background-position** property sets the starting position of a background image

Background-Position

اقدر اختار المكان اللي
انا حابب تكون فيه
الصوره

Value	Description
left top	If you only specify one keyword, the other value will be "center"
left center	
left bottom	
right top	
right center	
right bottom	
center top	
center center	
center bottom	





CSS

Background-Position



- لو قلت يمين فقط
- هيحط قيمة الثانيه ف
- النص

```
body {  
    background-  
image: url('w3css.gif');  
    background-repeat: no-repeat;  
    background-position: right;  
}
```



لمزيد من المعلومات

Background-Position

https://www.w3schools.com/cssref/pr_background-position.php





CSS

Background-size

```
body {  
    background-  
    image: url("img_tree.png");  
    background-size: contain;  
}
```

- مش فارق معاه ان الصوره تغطي الحجم
كله
- المهم انها تظهر كلها



- ❑ **Contain** : Resize the background image to make sure the image is fully visible



CSS

Add two images as background

```
#example1 {  
    background: url(img_tree.gif),  
    url(mountain.jpg);  
    background-repeat: no-repeat;  
    background-size: contain, cover;  
}
```

لو عاوز احط صورتين خلفيه 



Rule

- we have two background images. We specify the size of the first background image with "contain", and the second background-image with "cover"



لمزيد من المعلومات

Background-size

[https://www.w3schools.com/cssref/CSS3_pr_backg
round-size.php](https://www.w3schools.com/cssref/CSS3_pr_background-size.php)



Lesson No.11

css

Shadow



By :- Safaa El-Shafe'y

Watch The video

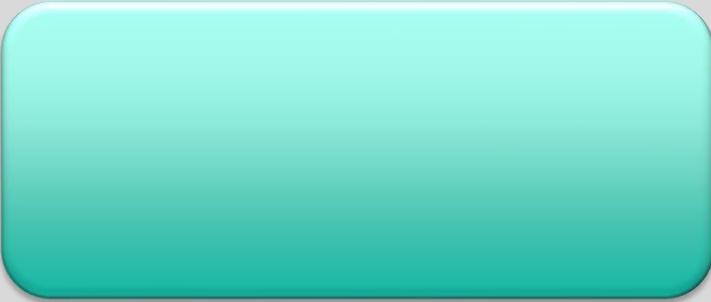
Scan QR Code



Click Here ...



By :- Safaa El-Shafe'y



Top

Vertical

Left

Horizontal

Right

Bottom



CSS

box Shadow

```
h1 {  
    box-shadow: 2px 2px 3px red;  
}
```

عمل ظل حوالين اي box عندى
سواء كان div – button وهكذا



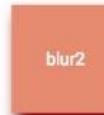
0px 0px darkred;



5px 10px darkred;



0px 0px 20px darkred;



5px 10px 20px darkred;



5px 10px 40px darkred;



CSS

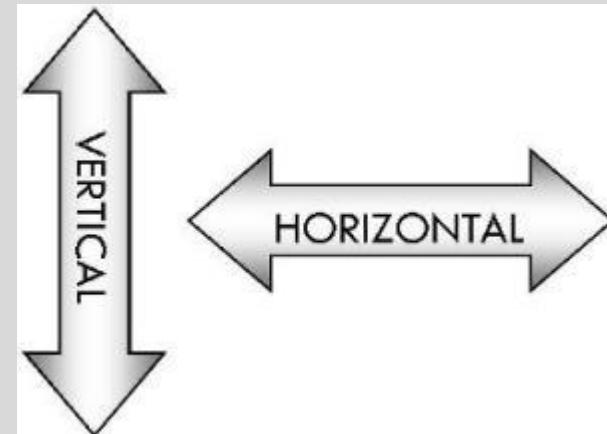
Text Shadow

```
h1 {  
    text-shadow: 2px 2px 3px red;  
}
```

```
.class {  
    text-shadow: 2px 2px 3px #FFF;  
}
```

Horizontal Distance Blur Radius
Vertical Distance Shadow Color

عمل ظل حوالين اي ➤



CSS

Text Shadow

عمل ظل حوالين اي text

```
h1 {  
    text-shadow: 5px 5px 5px black;  
}
```



The word "Text" is displayed in a large, bold, black font. It features a soft, blurred black shadow effect underneath and to the right of the letters, creating a sense of depth and dimensionality.



لمزيد من معلومات عن
shadows in CSS

https://www.w3schools.com/CSS/css3_shadows.asp



ب shadows عمل bootstrap

<https://getbootstrap.com/docs/5.2/utilities/shadows/>



موقع جاهز لاشكال
أكثر shadows
استعملها على طول

<https://getcssscan.com/CSS-box-shadow-examples>



CSS

Text Stroke

عمل حدود حولين text ➤

```
h1 {  
    -webkit-text-stroke: 3px white;  
}
```



text

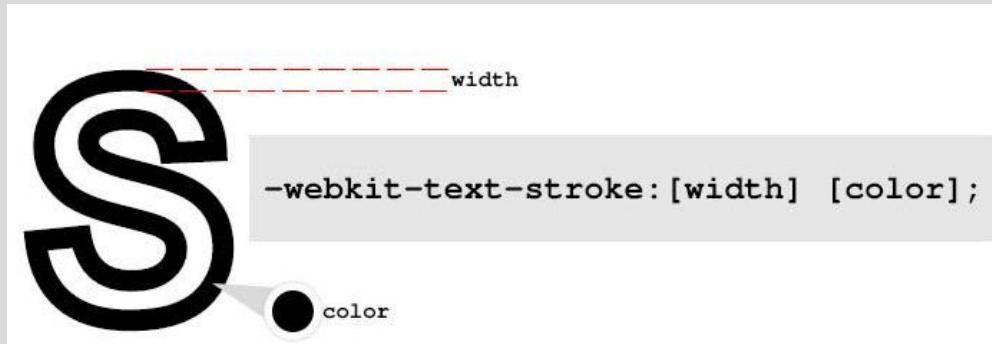


CSS

Text Stroke

```
h1 {  
    -webkit-text-stroke: 3px white;  
}
```

- بحدد اول حاجه حجمه
- وبعد كده احدد اللون بتاعه



Text Stroke & transparent

```
h1 {  
    -webkit-text-stroke: 3px white;  
    color: transparent;  
}
```

عنان يظهر ليا الشكل ده وتبقي الكلمه
مفرغه من جوه وشفافه وباین خلفيه
من تحت وعامل حدود على الحروف



الواجب - Homework



الواجب - Homework

مطلوب منك

(1) عمل جزء home من موقع المشروع اثناء الفيديو لوحده (

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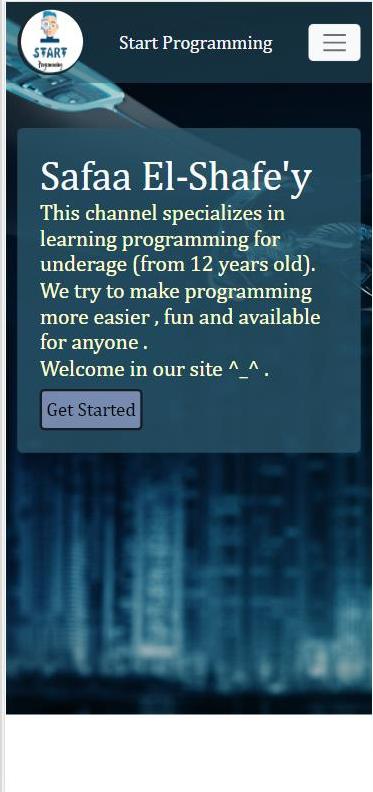
Welcome in our site ^_^ .

Get Started

الواجب

Part 2





الواجب - Homework

Responsive
Design

الواجب - Homework



يلا نحل
الواجب



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Extra
Information

Bootstrap

Text Transform
Font Weight
italic

By :- Safaa El-Shafe'y



Text Transform



Bootstrap

lowercased text.
UPPERCASED TEXT.
CapiTaliZed Text.

Text transform

هتخلي كل حروف Text-lowercase ➤

صغيره

هتخلي كل حروف Text-uppercase ➤

كبيره

هتخلي كل حرف من Text-capitalize ➤

اول كل كلمة كبير

```
<p class="text-lowercase">Lowercased text.</p>
<p class="text-uppercase">Uppercased text.</p>
<p class="text-capitalize">CapiTaliZed text.</p>
```



Font Weight and italic



Bootstrap

```
<p class="fw-bold">Bold text.</p>
<p class="fw-bolder">Bolder weight text (relative to the
parent element).</p>
<p class="fw-normal">Normal weight text.</p>
<p class="fw-light">Light weight text.</p>
<p class="fw-lighter">Lighter weight text (relative to
the parent element).</p>
<p class="fst-italic">Italic text.</p>
<p class="fst-normal">text with normal text style</p>
```

Font weight

- اقدر اتخن ف الخط و اخليه bold او اخليه رفيع خالص light
- او اخليه مائل italic

Bold text.

Bolder weight text (relative to the parent element).

Normal weight text.

Light weight text.

Lighter weight text (relative to the parent element).

Italic text.



لمزيد من المعلومات عن **Text**

<https://getbootstrap.com/docs/5.2/utilities/text/>



Lesson
No.12

Bootstrap

Gird System



By :- Safaa El-Shafe'y

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Scan QR Code



Click Here ...

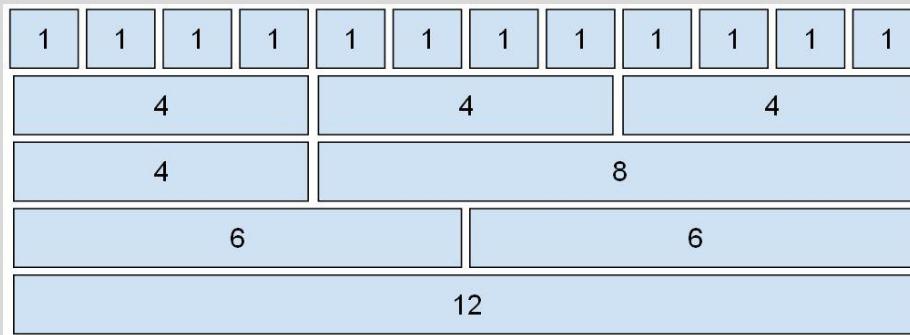


By :- Safaa El-Shafe'y

Gird System

```
<div class="row">  
  <div class="col">col 1 is 6 </div>  
  <div class="col">col 2 is 6 </div>  
</div>
```

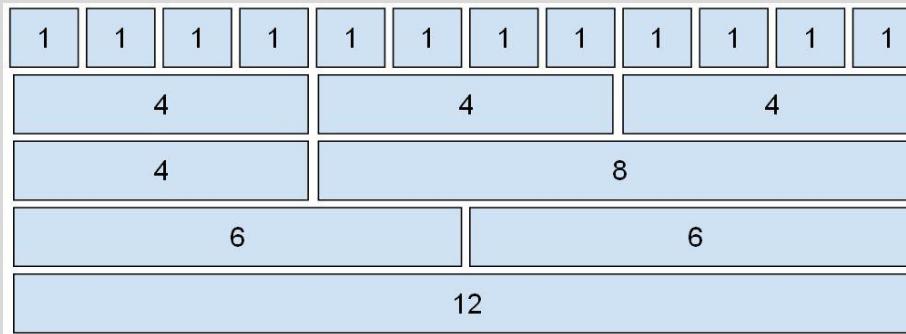
هقمه ل rows وكل row فيه
جوه cols12
لو محدتش حجم هيبقوا بيساوي
بعض



Gird System

```
<div class="row">  
  <div class="col-4">col 1 is 4 </div>  
  <div class="col-8">col 2 is 8 </div>  
</div>
```

نقسمه ل rows وكل row فيه
جوه cols12
هنا حدد اول div هيأخذ 4 و الثاني
هيأخذ 8



Gird System

COL-3		COL-3		COL-3			COL-3		
COL-4			COL-4			COL-4			
COL-6						COL-6			
COL-2		COL-2		COL-2		COL-2		COL-2	
COL-1									



Gird System

```
<div class="row">
  <div class="col">
    1
  </div>
  <div class="col-6">
    2
  </div>
  <div class="col">
    3
  </div>
</div>
```

هنا عدد واحد 6 ➤

واثنين مش عدد هيشف متبقي
 كام ويخلوهم متساوين ➤



Text-break

```
<div class="row">  
mmmmmmmmmmmmmmmmmm  
</div>
```

mmmmmmmm
mmmmmmmm
mmmmmmmm
m

- لو كلمه حجمها كبير - يعني فيها حروف كتير ومش عارف يكتبها كلها ف نفس المكان
- هقولها اكسرها وخلي بقيتها يكتب ف السطر اللي بعده



لمزيد من المعلومات
عن **text-break**

<https://getbootstrap.com/docs/5.2/utilities/text/>



الواجب - Homework



الواجب - Homework

مطلوب منك

- (1) عمل جزء About من موقع المشروع اثناء الفيديو لوحدك
الخاص ب Round1 ف الرحله الاولى ولكن باستخدام Bootstrap
- (2) الجزء الاول والثاني منه



We Are Super Programmers



Claritas est etiam processus dynamicus, qui sequitur mutationem consuetudium lectorum. Mirum est notare quam littera gothica, dolor in

honesto, cum velit esse molestie ccessus nem conseratur in

Mirum est notare quam littera gothica. Dolor in
honesto, cum velit esse molestie ccessus nem
conseratur in
estie consequat.

الواجب



Graduated

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat.

Vel illum dolore eu feugiat nulla facilisis.



Pencil

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat.

Vel illum dolore eu feugiat nulla facilisis.

Lesson
No.13

Bootstrap

Gird System

Part 2

By :- Safaa El-Shafe'y



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Size of screens



- شاشات الكبيره
- لاب توب
- تابلت
- موبيل

Size of screens

- ✓ Extra small (xs)
- ✓ Small (sm)
- ✓ Medium (md)
- ✓ Large (lg)
- ✓ Extra large (xl)
- ✓ Extra extra large (xxl)

احجام الشاشات المختلفة ➤

Breakpoint	Class infix	Dimensions
X-Small	xs	<576px
Small	sm	≥576px
Medium	md	≥768px
Large	lg	≥992px
Extra large	xl	≥1200px
Extra extra large	xxl	≥1400px



Bootstrap screen sizes

1	xs	Extra small <576px	 portrait mobile
2	sm	Small ≥576px	 landscape mobile
3	md	Medium ≥768px	 portrait tablets <i>navbar collapse</i>
4	lg	Large ≥992px	 landscape tablets
5	xl	Extra large ≥1200px	 laptops, desktops, TVs
6	XXL	Extra Extra large	

- شاشة موبيل (صغير جدا) (1)
- شاشة موبيل بالعرض (صغير) (2)
- تابلت (متوسط) (3)
- تابلت بالعرض (كبير) (4)
- لاب توب او شاشات كبيره (كبير جدا) (5)
- شاشات كبيره جدا (كبير جدا جدا) (6)



Gird System

```
<div class="row">  
  <div class="col-6 col-md-4">1</div>  
  <div class="col-6 col-md-4">2</div>  
  <div class="col-6 col-md-4">3</div>  
</div>
```

اقدر ادي لكل حجم من
الشاشات حجم مختلف
عن الثاني ➤



Md-lg-xl-xxl



Xs-xxs

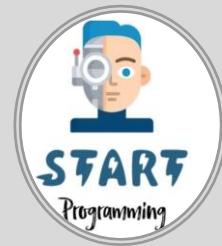


Bootstrap screen sizes

1	xs	Extra small <576px	 portrait mobile
2	sm	Small ≥576px	 landscape mobile
3	md	Medium ≥768px	 portrait tablets <i>navbar collapse</i>
4	lg	Large ≥992px	 landscape tablets
5	xl	Extra large ≥1200px	 laptops, desktops, TVs
6	XXL	Extra Extra large	

هو محدد ليك من أول md تحت ✓
لكن غير كده قايل ياخد 6 cols ✓

```
<div class="row">
  <div class="col-6 col-md-4">1</div>
  <div class="col-6 col-md-4">2</div>
  <div class="col-6 col-md-4">3</div>
</div>
```



Gird System

```
<div class="row">  
  <div class="col-6 col-md-4">1</div>  
  <div class="col-6 col-md-4">2</div>  
  <div class="col-6 col-md-4">3</div>  
</div>
```

فمن اول md لتحت اخد 4

cols

لكن غير كده اخد 6 cols



Md-lg-xl-xxl



Xs-xxs



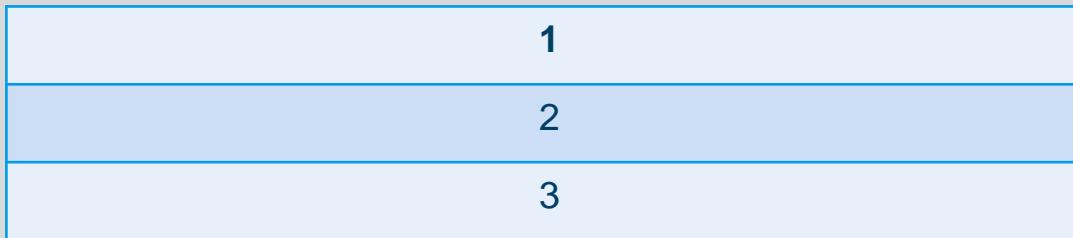
Gird System

```
<div class="row">  
  <div class="col-lg-4">1</div>  
  <div class="col-lg-4">2</div>  
  <div class="col-lg-4">3</div>  
</div>
```

هو هنا عدد من اول lg خلية يأخذ 4 cols
فيباقي هيمشي على lg واللي فوقها xl و xxl



lg-xl-xxl



Xs-xxs-md

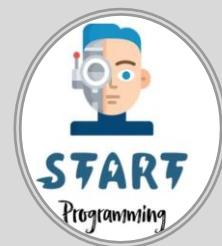


Bootstrap screen sizes

1	xs	Extra small <576px	 portrait mobile
2	sm	Small ≥576px	 landscape mobile
3	md	Medium ≥768px	 portrait tablets <i>navbar collapse</i>
4	lg	Large ≥992px	 landscape tablets
5	xl	Extra large ≥1200px	 laptops, desktops, TVs
6	XXL	Extra Extra large	

هو محدد ليك من أول lg تحت ✓
لكن اللي قبلها مش محدده فخلاص ✓
يأخذ 12 cols كلهم

```
<div class="row">
  <div class="col-lg-4">1</div>
  <div class="col-lg-4">2</div>
  <div class="col-lg-4">3</div>
</div>
```



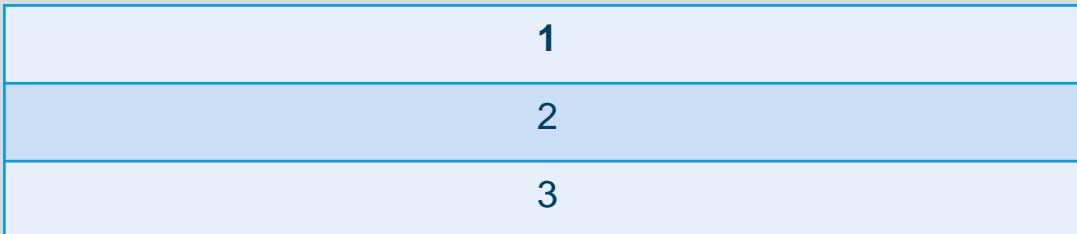
Gird System

```
<div class="row">  
  <div class="col-lg-4">1</div>  
  <div class="col-lg-4">2</div>  
  <div class="col-lg-4">3</div>  
</div>
```

- محدتش الاصغر من lg هي عمل معاه ايه
- فخلاص هيروح يدله col12 كلهم



lg-xl-xxl



Xs-xxs-md



الواجب - Homework



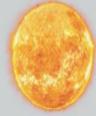
مطلوب منك

الواجب - Homework

Programmers

The World

Mirum est notare quam littera gothica. Dolor in hendrerit in vulputate velit esse molestie consequat. Claritas est etiam processus dynamicus, qui sequitur mutationem consuetudium lectorum. Dolor in hendrerit in vulputate velit esse molestie consequat



عمل the world (1)



Extra
Information

Bootstrap

Borders



START
Programming

By :- Safaa El-Shafe'y

Bootstrap

Border

```
<span class="border"></span>
<span class="border-top"></span>
<span class="border-end"></span>
<span class="border-bottom"></span>
<span class="border-start"></span>
```

لو عاوز اعمل حدود باستخدام
bootstrap

- هي عمل ليها حدود في كل الاتجاهات
- من فوق فقط
- من اتجاه اليمين فقط
- من تحت فقط
- من اتجاه الشمال فقط



Bootstrap

Border Color

```
<span class="border border-primary"></span>
<span class="border border-secondary"></span>
<span class="border border-success"></span>
<span class="border border-danger"></span>
<span class="border border-warning"></span>
<span class="border border-info"></span>
<span class="border border-light"></span>
<span class="border border-dark"></span>
<span class="border border-white"></span>
```

لتغيير لون border



Bootstrap

Border Opacity

```
<div class="border border-success p-2 mb-2">This is default success border</div>
<div class="border border-success p-2 mb-2 border-opacity-75">This is 75% opacity success border</div>
<div class="border border-success p-2 mb-2 border-opacity-50">This is 50% opacity success border</div>
<div class="border border-success p-2 mb-2 border-opacity-25">This is 25% opacity success border</div>
<div class="border border-success p-2 mb-2 border-opacity-10">This is 10% opacity success border</div>
```

ه يجعل الحدود شفافة



Bootstrap

Border Width

```
<span class="border border-1"></span>
<span class="border border-2"></span>
<span class="border border-3"></span>
<span class="border border-4"></span>
<span class="border border-5"></span>
```

- ❖ تغير حجم border
- ❖ بحيث 1 اقل حاجه
- ❖ و 5 اعلي حاجه



Bootstrap

Border Radius

```







```

❖ لتحكم ف شكل Corner
❖ الخاص ب borders



Bootstrap

Border Radius

```







```

❖ لتحكم ف شكل Corner
❖ الخاص ب borders



Bootstrap

size of Border Radius

```






```

- ❖ تحكم ف تدوير خاص بالحدود هيئي لدرجه ايه بحيث ان 0 مفيش تدوير خالص من Corners و 5 اعلي حاجه



لمزيد من معلومات عن Border in bootstrap

<https://getbootstrap.com/docs/5.2/utilities/borders/>



Lesson No.14

Icons

Font Awesome



By :- Safaa El-Shafe'y

Watch The video

Scan QR Code



Click Here ...



By :- Safaa El-Shafe'y

لتحميل ملفات

Font Awesome

<https://fontawesome.com/download>



Adding Font Awesome

- 1) Link CSS File
- 2) Link JavaScript Files



Link CSS File

عنان اضييف ملف CSS ➤

```
<link rel="stylesheet" href="./icons/CSS/fontawesome.min.CSS">
```

Note

اكتب link tag ف head



Add JavaScript Files

▶ اضافه ملفات JavaScript فنهایه body

```
<!-- Latest compiled JavaScript -->
<script src="./icons/js/all.min.js"
></script>
```



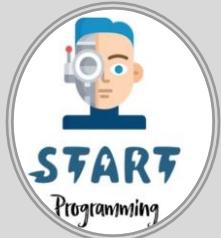
Add icon

```
<i class="fa-solid fa-camera"></i>
```

- أعمل Tag اسمه ➤
- fa-solid و اخليه ياخد Class ➤
- و ويأخذ اسم icon ➤

Fa-solid

ده نوع icon هو وحيد هقدر استعمله عشان free اي
حاجه تانية بفلوس



از ای اجیب اسم ای
icon



لبحث عن icons Font Awesome

<https://fontawesome.com/icons>



Search icon

The screenshot shows the Font Awesome website's search interface. At the top, there is a navigation bar with the Font Awesome logo, a search bar containing "Search icons...", and links for Icons, How to Use, Support, Pricing, and Sign In. On the left, a sidebar lists various icon categories with sub-options. The main area displays a grid of 3,978 icons, each with its name and a small preview image.

- Free
- Pro Only
- Solid
- Regular
- Light
- Brands
- Latest Release
- Accessibility
- Animals
- Arrows
- Audio & Video
- Automotive
- Buildings
- Business
- Charity
- Chat
- Chess
- Code
- Communication
- Computers

Search 3,978 icons for...

All 3,978 Awesome Icons

Icon Name	Icon Preview	Icon Name	Icon Preview	Icon Name	Icon Preview	Icon Name	Icon Preview	Icon Name	Icon Preview
500px		abacus		abacus		accessible-icon		accusoft	
address-book		address-book		address-card		address-card		adjust	
adn		adversal		affiliate-theme		air-freshener		air-freshener	
align-center		align-center		align-center		align-justify		align-justify	
align-left		align-right		align-right		allipay		allergies	
pay		ambulance		ambulance		angry		angry	
amazon		american-sign-language-interpreter		american-sign-language-interpreter		american-sign-language-interpreter		american-sign-language-interpreter	

أعمل search على icon اي



از ای اعدل علی
خاص ب ای Style
icon



Style icon

أقدر احط (i) ف Span و اغير
بتاعه براحتي Style ➤

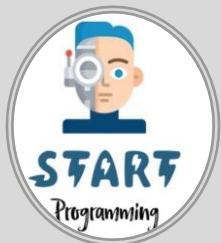
```
<span style="font-size: 100px;  
color: blue;">  
    <i class="fa-solid fa-  
camera"></i>  
    </span>
```



Sizing icon

```
<i class="fa-solid fa-camera fa-1x"></i>
<i class="fa-solid fa-camera fa-2x"></i>
<i class="fa-solid fa-camera fa-3x"></i>
<i class="fa-solid fa-camera fa-4x"></i>
<i class="fa-solid fa-camera fa-5x"></i>
<i class="fa-solid fa-camera fa-6x"></i>
<i class="fa-solid fa-camera fa-7x"></i>
<i class="fa-solid fa-camera fa-8x"></i>
<i class="fa-solid fa-camera fa-9x"></i>
<i class="fa-solid fa-camera fa-10x"></i>
```

عندی احجام من $fa-1x$ لحد $fa-10x$ >
يعني عندی 10 احجام اقدر استخدمهم
براحتی



Sizing icon

هنا اقدر استخدمها على حسب حجم شاشه >

```
<i class="fa-solid fa-coffee fa-2xs"></i>
<i class="fa-solid fa-coffee fa-xs"></i>
<i class="fa-solid fa-coffee fa-sm"></i>
<i class="fa-solid fa-coffee"></i>
<i class="fa-solid fa-coffee fa-lg"></i>
<i class="fa-solid fa-coffee fa-xl"></i>
<i class="fa-solid fa-coffee fa-2xl"></i>
```



Fixed Width icon

اخلی حجم icon ثابت و مش يتغير معايا
اكتب fa-fw

```
<i class="fa-solid fa-coffee fa-fw"></i>
```



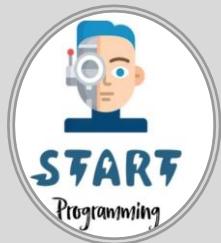
لتعديل على Style خاص بـ icons Font Awesome

<https://fontawesome.com/docs/web/>



عمل Animation باستخدام Font Awesome

<https://fontawesome.com/docs/web/style/animate>



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مطلوب منك

1) اضافه icons ب Font awesome

للجميع المشاريع السابقة



الواجب - Homework

مطلوب منك



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- (1) وضع كل لينكات social media
- (2) وعمل footer



الواجب - Homework



يلا نحل
الواجب

Watch The video

Scan QR Code



Click Here ...



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Extra
Information

Bootstrap

Reflection

Image

By :- Safaa El-Shafe'y



CSS

Reflection Image

```
img {  
    -webkit-box-reflect: right;  
}
```

هيحط ليها صوره جنبها

يعني يعمل ليها انعكاس ويحط واحده
جنبها ناحيه اليمين

Rule

we want the reflection to the right
of the image

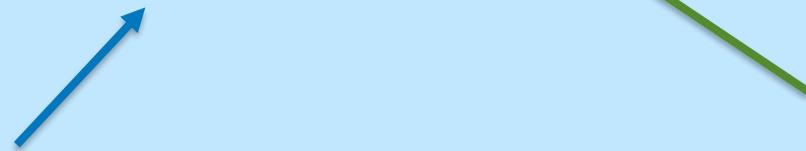


Reflection Image from right



الصوره الاصليه

انعکاس الصوره ناحيه اليمين



CSS

Reflection Image

```
img {  
    -webkit-box-reflect: below;  
}
```

▶ هبط لي صوره من تحت
▶ يعني يعمل ليها انعكاس ويحط
واحده تانية من التحت

Rule

we want the reflection below the image



Reflection Image from right



الصورة الاصلية

انعکاس الصوره من تحت



CSS

Reflection Image

```
img {  
    -webkit-box-reflect: above;  
}
```

اقدر اعمل Reflection لصوره
من فوق ومن تحت ومن اليمين
ومن الشمال



Rule

- The **box-reflect** property is used to create an image reflection.
- The value of the **box-reflect** property can be: **below, above, left , or right**





CSS

CSS Reflection Offset

```
img {  
    -webkit-box-reflect: below 20px;  
}
```

- هيحط ليها صوره من تحت
- يعني يعمل ليها انعكاس ويحط واحده من تحت
- بس مش هتبقي لازقه فيها هتبعد عنها 20px



Rule

To specify the gap between the image and the reflection, add the size of the gap to the **box-reflect** property



CSS

CSS Reflection With Gradient

```
img {  
    -webkit-box-reflect: below 0px linear-  
    gradient(to bottom, rgba(0,0,0,0.0),  
    rgba(0,0,0,0.4));  
}
```

▶ هبط ليابون على الصوره ويخلها
مش ظاهره كلها
و عاملها linear gradient
عشان تبدء بلون وتنتهي بلون ثاني

Rule

The **box-reflect** property value can also be set with three-value syntax. Here, the reflection is below an img-element, with 0px distance, and gradually fading



لمزيد من المعلومات
عن reflection

https://www.w3schools.com/css/css3_image_reflection.asp



Lesson
No.15

Bootstrap

Cards



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bootstrap

Cards

هيعمل ليها شكل كارت ➤

```
<div class="card" style="width: 18rem;">
  
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example
text to build on the card title and make up the
bulk of the card's content.</p>
    <a href="#" class="btn btn-primary">Go
somewhere</a>
  </div>
</div>
```



Cards



Billy Cullen

Web developer

Lorem ipsum dolor sit amet, consectetur adipisicing elit.
Voluptatibus, ex, recusandae. Facere modi sunt quod.



Card title

Some quick example text to build on the card title
and make up the bulk of the card's content.

BUTTON

الواجب - Homework



الواجب - Homework

مطلوب منك

(1) مطلوب منك عمل اشكال مختلفه من Cards



Cards



Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatibus, ex, recusandae. Facere modi sunt, quod quibusdam dignissimos neque rem nihil ratione est placeat vel, natus non quos laudantium veritatis sequi. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi.



Billy Cullen
Web developer

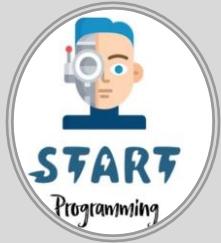
Some quick example text to build on the card title and make up the bulk of the card's content.



Card title

Some quick example text to build on the card title and make up the bulk of the card's content.

BUTTON



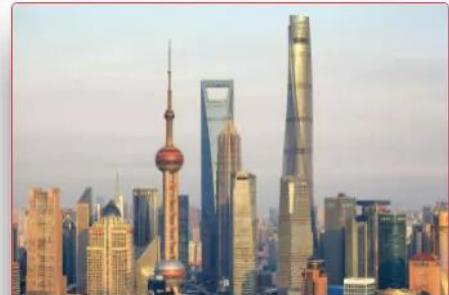
Silver

This card has supporting text below as a natural lead-in to additional content.



Gold

This card has supporting text below as a natural lead-in to additional content. lead-in to additional content additional contentadditional content



Platinum

This card has supporting text below as a natural lead-in to additional content.



Our Expert Team

Lorem Ipsum is simply dummy text of the printing and typesetting industry



Rajnish Kumar

Web Designer

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s.

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Satyam Tiwari

Web Developer

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Salim Malik

Front End Developer

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s.

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Canon EOS 1500D 24.1

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

\$99.00

★★★★★

ADD TO CART



iPhone 12 Pro Max

Duis aute irure dolor in reprehenderit fugiat nulla pariatur.

\$159.00

★★★★★

ADD TO CART



MLA22HN/A Wireless Keyboard

Sed do eiusmod tempor incididunt et dolore magna aliqua.

\$79.00

★★★★★

ADD TO CART



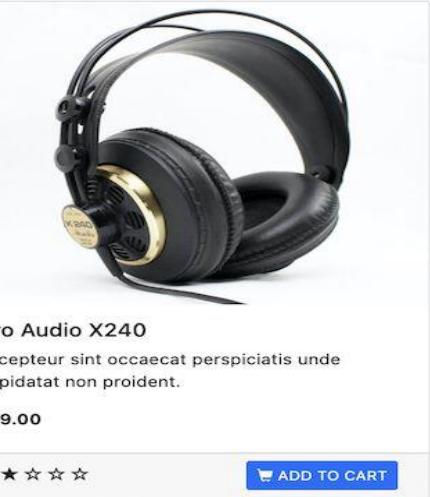
21.5-inch iMac

Sunt in culpa qui officia deserunt mollit anim id est laborum.

\$199.00

★★★★★

ADD TO CART



Pro Audio X240

Excepteur sint occaecat perspiciatis unde cupiditat non proident.

\$19.00

★★★★★

ADD TO CART



Micro USB 55

Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet.

\$9.00

★★★★★

ADD TO CART



لمزيد من المعلومات عن Cards

<https://getbootstrap.com/docs/5.2/components/card/>



الواجب - Homework



يلا نحل
الواجب

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**Extra
Information**

CSS

Filters



START
Programming

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CSS

Filters

```
img {  
  filter: grayscale(100%);  
}
```

ف عندي Filter كتير جدا اقدر
اطبقها على الصوره واغير الالوان
بتاعتتها وشكلها

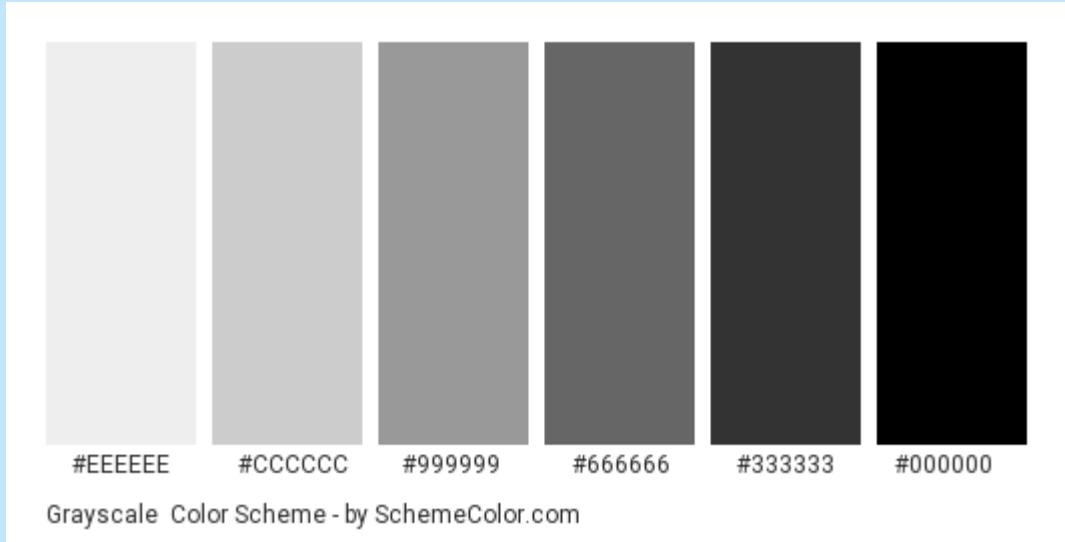


Rule

The **filter** property defines visual effects (like blur and saturation) to an element (often ``)



Gray Scale



► درجات من اللون الاسود لـ
الابيض



CSS

grayscale

```
img {  
    filter: grayscale(100%);  
}
```

- هيغير ليها درجات اللون ويخللها كلها من أبيض لأسود
- درجات gray scale

Rule

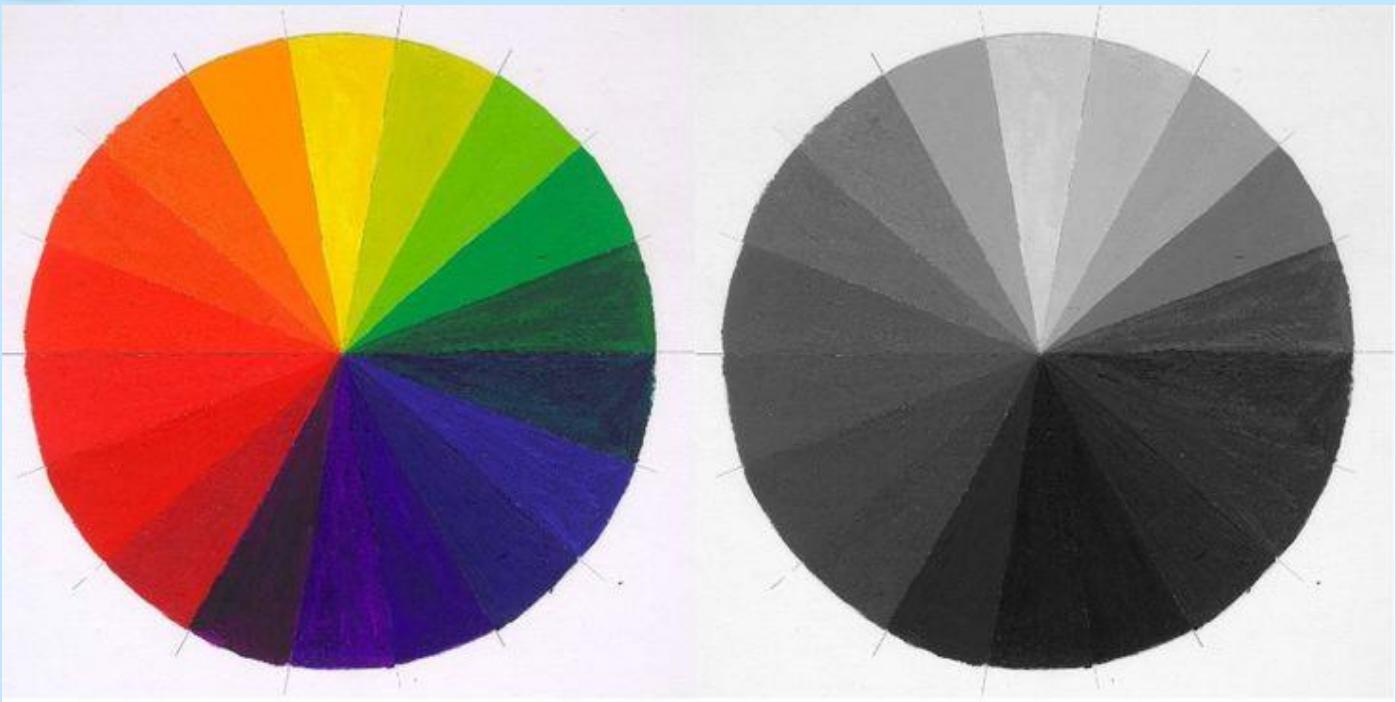
Change all images to black and white (100% gray)



grayscale()



grayscale()



grayscale()

Color Image



Grayscale Image



CSS

Blur()

```
img.background {  
    filter: blur(35px);  
}
```

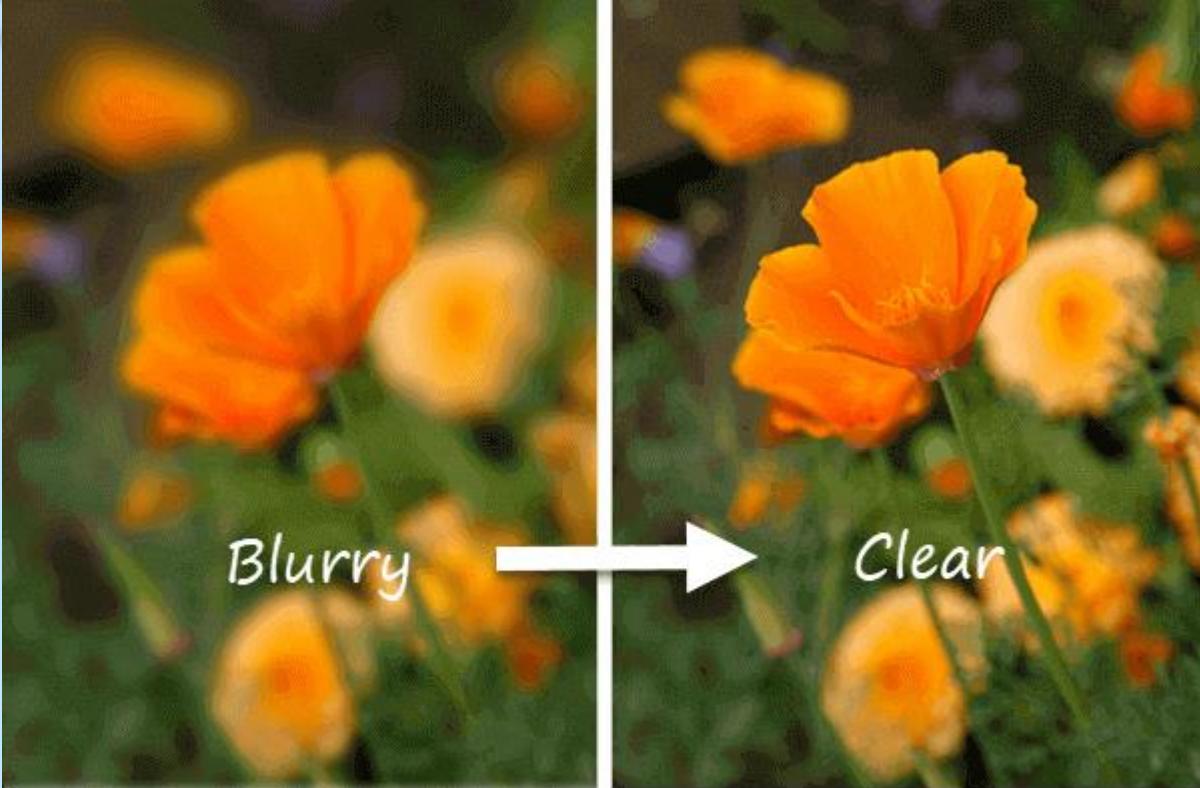
هیحولها لدرجه کده blur ویخلي
لاماح الصوره مش باينه ➤

Rule

- ❑ Applies a blur effect to the image. A larger value will create more blur.
If no value is specified, 0 is used.



Blur()



Blur()



CSS

Drop-shadow()

```
img {  
  filter: drop-shadow(8px 8px 10px gray);  
}
```

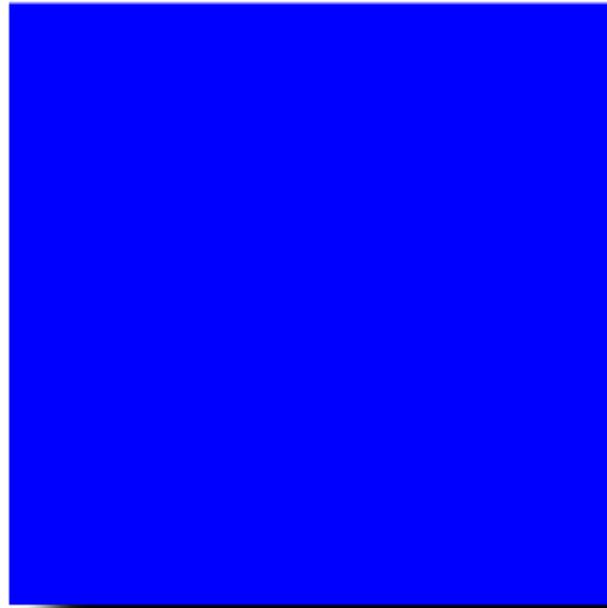
▶ هيعمل حوالين الصوره shadow

Rule

- ❑ Applies a drop shadow effect to the image.



Drop-shadow()



Drop-shadow()

عبارة عن
filter
بيضاف ل
image بتعمل ليها
Shadow

Text-shadow:

عبارة عن
property
text بيضاف ل
ليها بتعمل
Shadow

box-shadow:

عبارة عن
property
div بيضاف ل
ليها بتعمل
Shadow



لمزيد من المعلومات عن Filters

https://www.w3schools.com/cssref/css3_pr_filter.php



لتجربه كل Filters

[https://www.w3schools.com/cssref/playdemo.php?
filename=playcss_filter&preval=invert\(100%25\)](https://www.w3schools.com/cssref/playdemo.php?filename=playcss_filter&preval=invert(100%25))



Lesson
No.16

Bootstrap

Transform



By :- Safaa El-Shafe'y

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By :- Safaa El-Shafe'y

New Task

Vision & Message



Lets know moreel necessitatibus dolor asperiores illum possimus sint voluptates incident molestias nostrum laudantium. Maiores porro cumque



Lets know moreel necessitatibus dolor asperiores illum possimus sint voluptates incident molestias nostrum laudantium. Maiores porro cumque



CSS

Transform

- ✓ translate()
- ✓ rotate()
- ✓ scaleX()
- ✓ scaleY()
- ✓ scale()
- ✓ skewX()
- ✓ skewY()
- ✓ skew()
- ✓ matrix()

بتوفر ليها اكتر من Function



CSS

Scale()

```
div {  
    transform: scale(2, 3);  
}
```

هيقدر انه يكبر ليا حجم div هيزود ضعف العرض و3 اضعاف الطول ➤

Rule

- The `scale()` method increases or decreases the size of an element (according to the parameters given for the width and height).
- The following example increases the `<div>` element to be two times of its original width, and three times of its original height



Before

After



CSS

Scale()

```
div {  
    transform: scale(0.5, 0.5);  
}
```

هيقلل الطول العرض لنص حجمهم
الاصلی ➔

Rule

- The following example decreases the <div> element to be half of its original width and height



Before



After



CSS

Scale()

```
div {  
    transform: scale(0.5);  
}
```

▶ هيقلل الطول العرض لنص حجمهم

الاصلی

▶ لو رقمين زي بعض كفايه تكتبه مره
واحده

Rule

- The following example decreases the <div> element to be half of its original width and height



Before



After



نفس النتيجه السابقة



CSS

ScaleX()

```
div {  
    transform: scaleX(2);  
}
```

- هيزيود ليا العرض فقط
- ضعف عرض حجمه الاصلی

Rule

- ❑ The `scaleX()` method increases or decreases the width of an element.
- ❑ The following example increases the `<div>` element to be two times of its original width



Before



After



CSS

ScaleX()

```
div {  
    transform: scaleX(0.5);  
}
```

- هيقلل ليا العرض فقط
- نص عرض حجمه الاصلاني

Rule

- ❑ The following example decreases the <div> element to be half of its original width



Before



After



CSS

ScaleY()

```
div {  
    transform: scaleY(3);  
}
```

هيزيود ليا الطول فقط
3 اضعاف حجمه الاصلی ➤

Rule

- ❑ The `scaleY()` method increases or decreases the height of an element.
- ❑ The following example increases the `<div>` element to be three times of its original height



Before



After



CSS

ScaleY()

```
div {  
    transform: scaleY(0.5);  
}
```

- هيقل ليها الطول فقط
- لنصل حجم الاصل

Rule

- ❑ The following example decreases the <div> element to be half of its original height



Before



After



لمزيد من المعلومات
عن transform

https://www.w3schools.com/css/css3_2dtransform.asp



لتجربه كل
موجوده ف
transform

[https://www.w3schools.com/cssref/playdemo.php?
filename=playcss_transform&preval=rotate\(45deg\)
\)](https://www.w3schools.com/cssref/playdemo.php?filename=playcss_transform&preval=rotate(45deg))



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مطلوب منك

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- ✓ Final Project.

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**Extra
Information**

CSS

Gradient



START
Programming

By :- Safaa El-Shafe'y



CSS

Linear gradient

```
#grad {  
    background-image: linear-gradient(gray,  
black);  
}
```

عمل تدريج ف الالوان ➤

والتدريج يكون من فوق لتحت وده ➤

Default



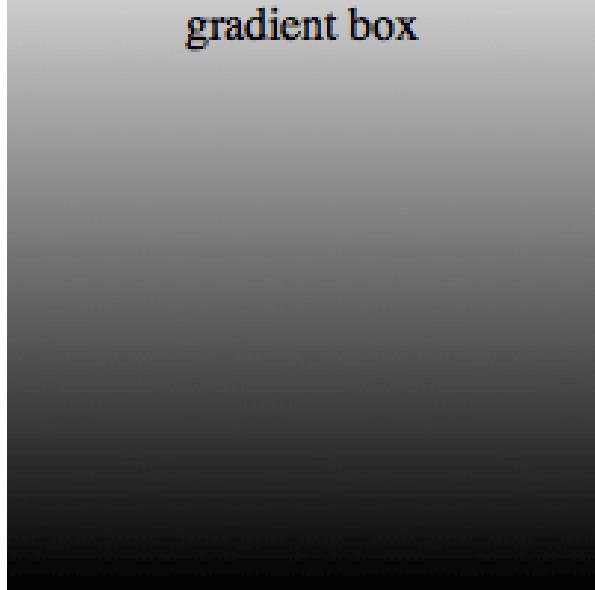
Rule

- ❑ The following example shows a linear gradient that starts at the top. It starts red, transitioning to blue



Linear gradient

gradient box





CSS

Linear gradient

```
#grad {  
background-image: linear-  
gradient(to right, red , blue);  
}
```

- عمل تدريج ف الاولوان
- واقدر احدد ف اي اتجاه
- كده من اليمين لشمال

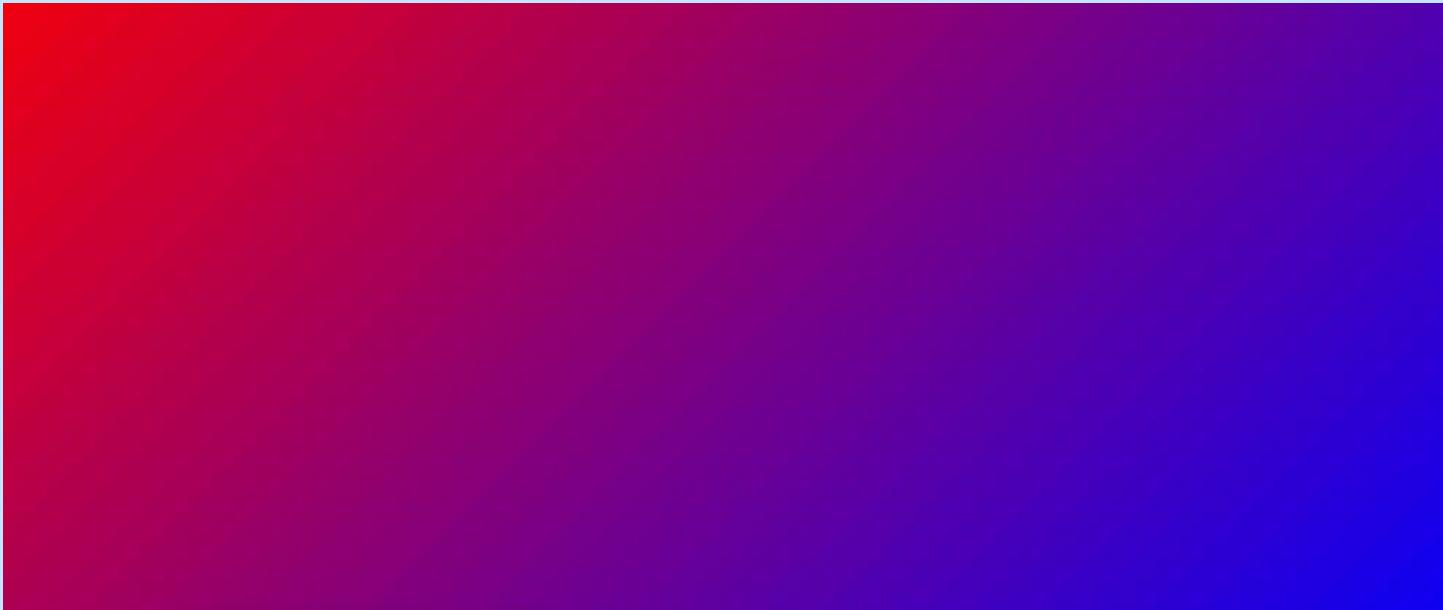


Rule

- ❑ The following example shows a linear gradient that starts from the left. It starts red, transitioning to blue



Linear gradient



CSS

Linear gradient

```
#grad {  
    background-image: linear-gradient(135deg, red ,  
blue);  
}
```

عمل تدريج ف الاولوان
و اقدر احدد ف اي اتجاه زاويه
معين

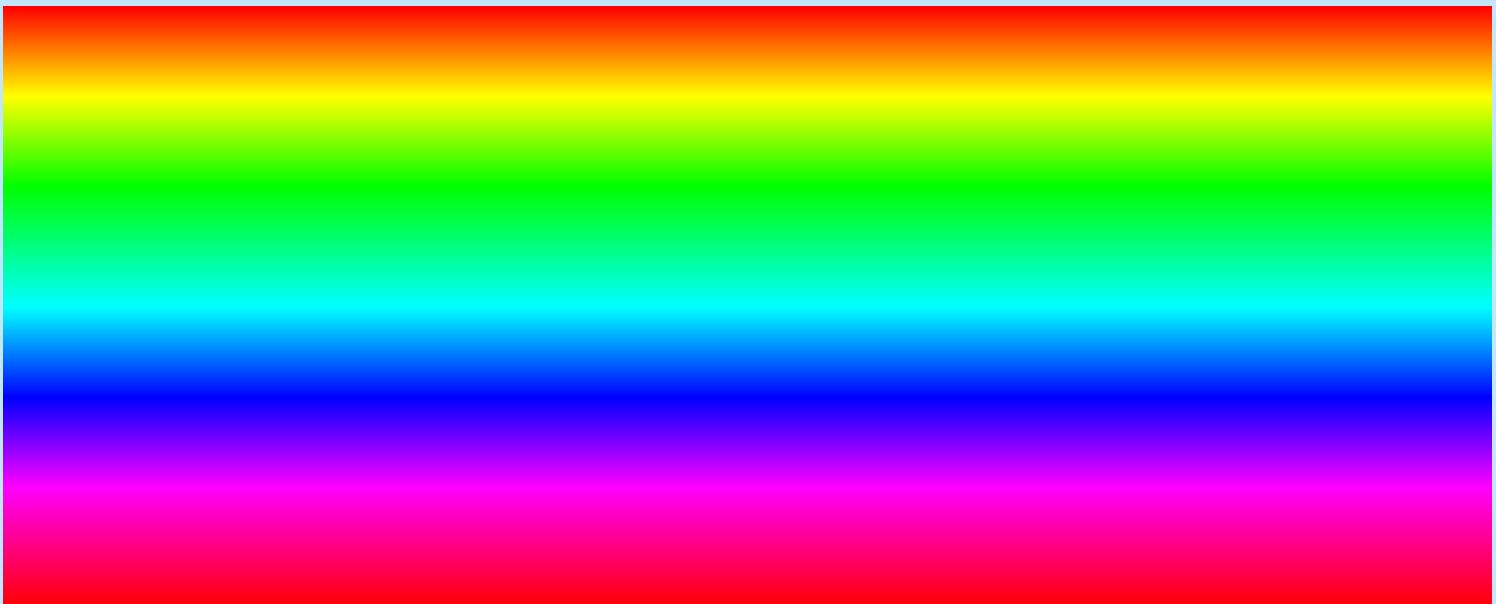
Degree اختصار ل Deg
بمعنى درجه

Rule

- If you want more control over the direction of the gradient, you can define an angle, instead of the predefined directions (to bottom, to top, to right, to left, to bottom right, etc.). A value of 0deg is equivalent to "to top". A value of 90deg is equivalent to "to right". A value of 180deg is equivalent to "to bottom"



Linear gradient



Gradient type

Basic gradient



Linear



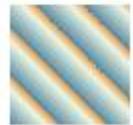
Radial



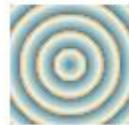
Conic



Static



Linear



Radial



Conic



Image

يوجد انواع من ➤

Linear ✓

Radial ✓

Conic ✓

Static ✓

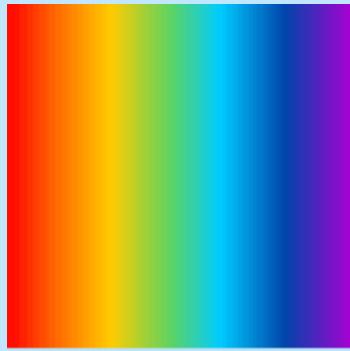
ده يبقى لون واحد او صوره

Note

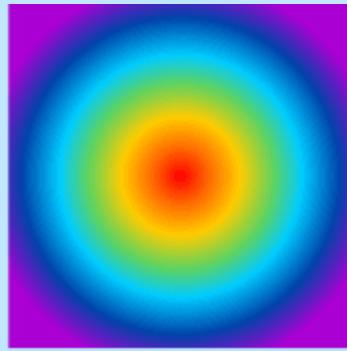
□ ف اللينكات القادمه ان شاء الله سيتم شرح كل انواع linear gradient



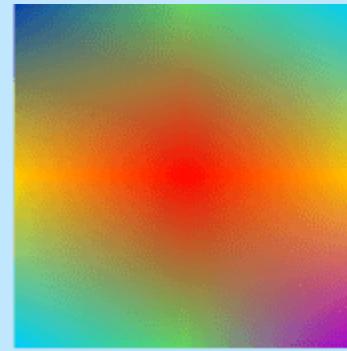
Gradient Type



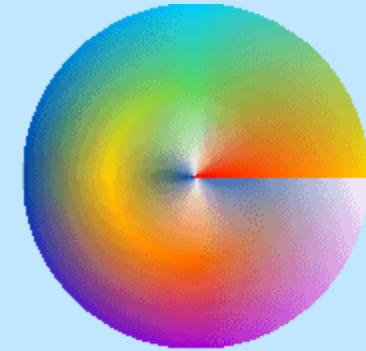
Linear



Radial



Mesh



Conical

Linear gradient

[https://www.w3schools.com/CSS/css3_gradients.
asp](https://www.w3schools.com/CSS/css3_gradients.asp)



Gradient Radial

https://www.w3schools.com/CSS/css3_gradients_radial.asp



Gradient Conic

https://www.w3schools.com/CSS/css3_gradients_conic.asp



Gradient background in bootstrap

<https://getbootstrap.com/docs/5.0/utilities/background/>



Lesson
No.17

Bootstrap

Quote
Carousel



By :- Safaa El-Shafe'y

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By :- Safaa El-Shafe'y

Slides



Slides

SLIDE 1



— — —



Bootstrap

```
<div id="carouselExampleSlidesOnly" class="carousel slide"  
data-bs-ride="carousel">  
  <div class="carousel-inner">  
    <div class="carousel-item active">  
        
    </div>  
    <div class="carousel-item">  
        
    </div>  
    <div class="carousel-item">  
        
    </div>  
  </div>  
</div>
```

Slides

كل صوره هحطها جوه ➤
carousel-item
 وكل items لازم يبقوا موجودين جوه ➤
Carousel-inner



Control



Control

SLIDE 1



Bootstrap

Control

```
<button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleControls" data-bs-slide="prev">
  <span class="carousel-control-prev-icon" aria-hidden="true"></span>
  <span class="visually-hidden">Previous</span>
</button>
<button class="carousel-control-next" type="button" data-bs-target="#carouselExampleControls" data-bs-slide="next">
  <span class="carousel-control-next-icon" aria-hidden="true"></span>
  <span class="visually-hidden">Next</span>
</button>
```

زرار next

وزرار previous

عشان اقدر اتنقل من

لتانيه image



Indicators



Indicators

SLIDE 1



Indicators

```
<div class="carousel-indicators">
  <button type="button" data-bs-
target="#carouselExampleIndicators" data-bs-slide-to="0"
class="active" aria-current="true" aria-label="Slide
1"></button>
  <button type="button" data-bs-
target="#carouselExampleIndicators" data-bs-slide-to="1" aria-
label="Slide 2"></button>
  <button type="button" data-bs-
target="#carouselExampleIndicators" data-bs-slide-to="2" aria-
label="Slide 3"></button>
</div>
```

زراير اسفل slide عشان اتنقل بين image صور



Bootstrap

visually-hidden

```
<button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleControls" data-bs-slide="prev">  
  <span class="carousel-control-prev-icon" aria-hidden="true"></span>  
  <span class="visually-hidden">Previous</span>  
</button>  
<button class="carousel-control-next" type="button" data-bs-target="#carouselExampleControls" data-bs-slide="next">  
  <span class="carousel-control-next-icon" aria-hidden="true"></span>  
  <span class="visually-hidden">Next</span>  
</button>
```

ای حاجه مش عاوزها

تظهر ازود ليها

visually-hidden

کده Spans مكتوب فيهم

next & previous

مش هيظهرروا عشان هما
hidden



Bootstrap

id

```
<button class="carousel-control-prev" type="button" data-bs-
target="#carouselExampleControls" data-bs-slide="prev">
  <span class="carousel-control-prev-icon" aria-
hidden="true"></span>
  <span class="visually-hidden">Previous</span>
</button>
<button class="carousel-control-next" type="button" data-bs-
target="#carouselExampleControls" data-bs-slide="next">
  <span class="carousel-control-next-icon" aria-
hidden="true"></span>
  <span class="visually-hidden">Next</span>
</button>
```

كل carousel لازم
يبي له id بكتبه ف
target



Bootstrap

id

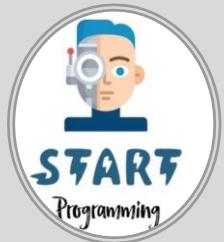
```
<div id="carouselExampleSlidesOnly" class="carousel slide"  
data-bs-ride="carousel">  
  <div class="carousel-inner">  
    <div class="carousel-item active">  
        
    </div>  
    <div class="carousel-item">  
        
    </div>  
    <div class="carousel-item">  
        
    </div>  
  </div>  
</div>
```

ولازم اخلي id ده يبقى
unique



لمزيد من معلومات عن Carousel

<https://getbootstrap.com/docs/5.0/components/carousel/>



لمزيد من معلومات عن Slider from w3school



https://www.w3schools.com/howto/howto_js_slideshow.asp

الواجب - Homework



الواجب - Homework

مطلوب منك

- (1) عمل اشكال Carousel المختلفه ف الكتاب
- (2) عمل اشكال تم شرحها ف محتوي الفيديوهات



Our Work



Our Student



Mohsen



Aser



Zeyad



مطلوب منك

مطلوب منك

Social media



افکار

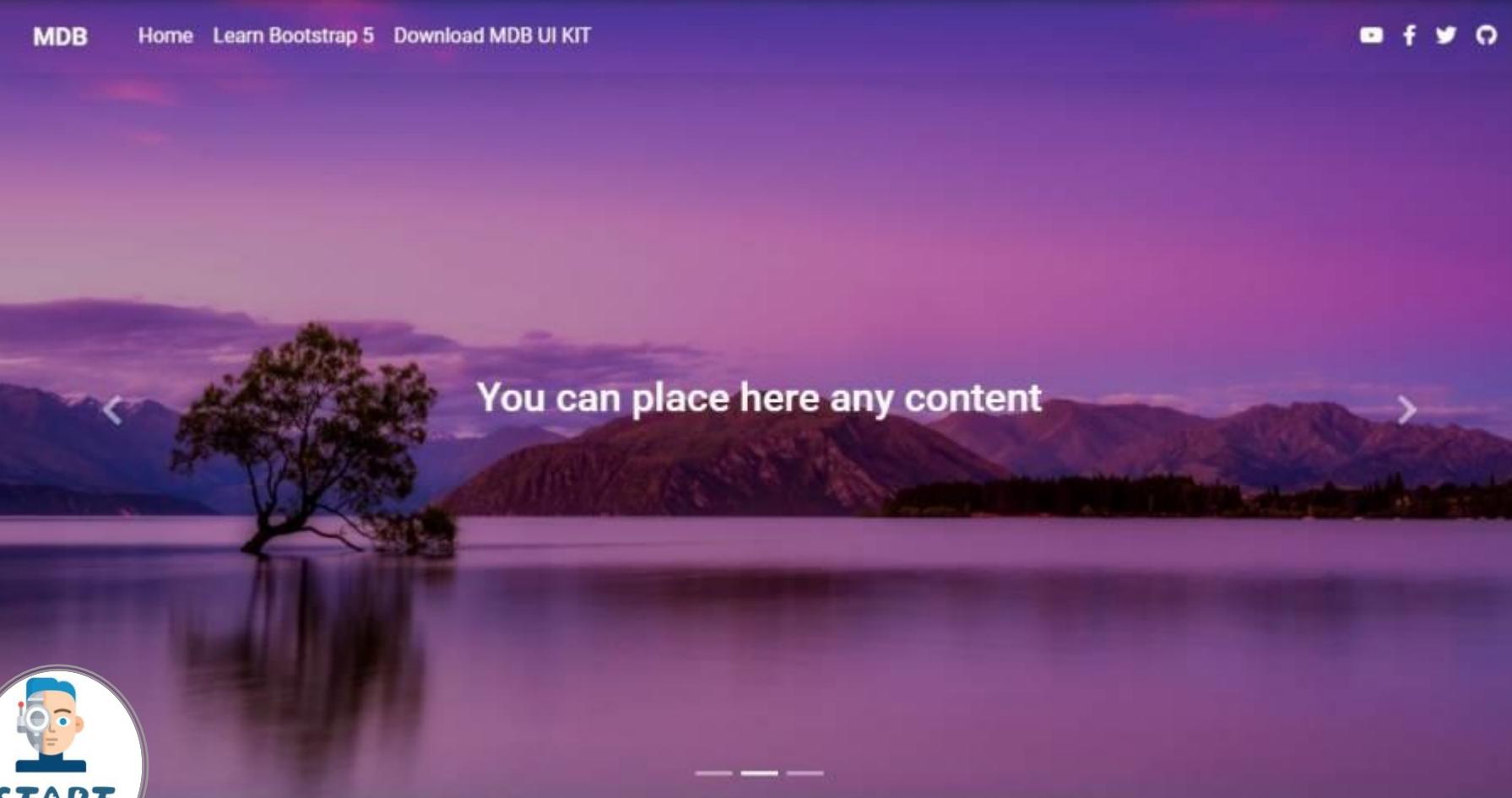
Carousel



Carousel Slider

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

[Our services](#)[Get a quote](#)



You can place here any content



THUMBNAIL CAROUSEL





Card title

Some quick example text to build on the card title and make up the bulk of the card's content.

BUTTON



Card title

Some quick example text to build on the card title and make up the bulk of the card's content.

BUTTON



Card title

Some quick example text to build on the card title and make up the bulk of the card's content.

BUTTON



Card title

Some quick example text to build on the card title and make up the bulk of the card's content.

BUTTON





London

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam eu sem tempor, varius quam.

[MORE >](#)



New York

Vivamus fermentum in arcu in aliquam. Quisque aliquam porta odio in fringilla. Vivamus nisl.

[MORE >](#)



Paris

Convallis eget pretium eu, bibendum non leo. Proin suscipit purus adipiscing dolor gravida.

[MORE >](#)



Team Members



Person's Name

Lorem ipsum dolor sit amet,
consectetur adipisicing elit. Nemo,
ullam.

[Learn More](#)



Person's Name

Lorem ipsum dolor sit amet,
consectetur adipisicing elit. Nemo,
ullam.

[Learn More](#)



Person's Name

Lorem ipsum dolor sit amet,
consectetur adipisicing elit. Nemo,
ullam.

[Learn More](#)





Michael Peterson



Emma Doe



John Williams



Martha Whydtnam



الواجب - Homework



يلا نحل
الواجب



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Lesson
No.18

Bootstrap

Display



By :- Safaa El-Shafe'y

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By :- Safaa El-Shafe'y

Bootstrap

display

- none
- inline
- inline-block
- block
- grid
- table
- table-cell
- table-row
- flex
- inline-flex

► بكتب -d بعد كده اي Value منهم
او اكتب -d واحد حجم شاشه وبعد كده
Value



Bootstrap

display none

```
<div class="d-lg-none">hide on lg and wider  
screens</div>  
<div class="d-none d-lg-block">hide on  
screens smaller than lg</div>
```

► لو عاوزها تختفي ومش تظهر



Screen size	Class
Hidden on all	.d-none
Hidden only on xs	.d-none .d-sm-block
Hidden only on sm	.d-sm-none .d-md-block
Hidden only on md	.d-md-none .d-lg-block
Hidden only on lg	.d-lg-none .d-xl-block
Hidden only on xl	.d-xl-none
Hidden only on xxl	.d-xxl-none .d-xxl-block
Visible on all	.d-block
Visible only on xs	.d-block .d-sm-none
Visible only on sm	.d-none .d-sm-block .d-md-none
Visible only on md	.d-none .d-md-block .d-lg-none
Visible only on lg	.d-none .d-lg-block .d-xl-none
Visible only on xl	.d-none .d-xl-block .d-xxl-none
Visible only on xxl	.d-none .d-xxl-block

display none

► ممكن احدد d-none على حسب حجم الشاشه



Bootstrap

Display inline

```
<div class="d-inline p-2">d-inline</div>
<div class="d-inline p-2">d-inline</div>
```

کده مش هینزل سطر قبل ما یحط div ➔

d-inline

d-inline



Bootstrap

Display block

```
<span class="d-block p-2 text-bg-primary">d-block</span>
<span class="d-block p-2 text-bg-dark">d-block</span>
```

► کده هینزل سطر قبل ما يحط div

d-block

d-block



لمزيد من معلومات عن
display

<https://getbootstrap.com/docs/5.0/utilities/display/>





Flex



D-flex

D-inline-flex

VS



Bootstrap

D-Flex

```
<div class="d-flex p-2 bd-highlight">I'm a flexbox container!</div>
<div class="d-inline-flex p-2 bd-highlight">I'm an inline flexbox container!</div>
```

- على حسب محتوي فقط موجود جوه div هيحدد مساحته
- لكن d-flex هتاخد مساحه متاحه كلها انها تقدر تاخدها من parent بتابعها من اولها لآخرها

D-flex

D-inline-flex



Bootstrap

- .d-flex
- .d-inline-flex
- .d-sm-flex
- .d-sm-inline-flex
- .d-md-flex
- .d-md-inline-flex
- .d-lg-flex
- .d-lg-inline-flex
- .d-xl-flex
- .d-xl-inline-flex
- .d-xxl-flex
- .d-xxl-inline-flex

D-Flex

► واقدر عادي جداً احدد هي **d-flex** ولا
علي حسب كل حجم **d-inline-flex**
شاشة

Rule

- Responsive variations also exist for **.d-flex** and **.d-inline-flex**



Direction



Flex-Direction

Row

Row

Row-Reverse

Columns

Columns

Columns - Reverse



START

Programming

Bootstrap

```
<div class="d-flex flex-row">
  <div class="p-2 bd-highlight">1</div>
  <div class="p-2 bd-highlight">2</div>
  <div class="p-2 bd-highlight">3</div>
</div>
<div class="d-flex flex-row-reverse">
  <div class="p-2 bd-highlight">1</div>
  <div class="p-2 bd-highlight">2</div>
  <div class="p-2 bd-highlight">3</div>
</div>
```

Flex-row

هیحط ليا divs جنب بعض على نفس row او يعكسهم ويحطهم في نهاية row



Rule

Use `.flex-row` to set a horizontal direction (the browser default), or `.flex-row-reverse` to start the horizontal direction from the opposite side

Bootstrap

```
<div class="d-flex flex-column">
  <div class="p-2 bd-highlight">1</div>
  <div class="p-2 bd-highlight">2</div>
  <div class="p-2 bd-highlight">3</div>
</div>
<div class="d-flex flex-column-reverse ">
  <div class="p-2 bd-highlight">1</div>
  <div class="p-2 bd-highlight">2</div>
  <div class="p-2 bd-highlight">3</div>
</div>
```

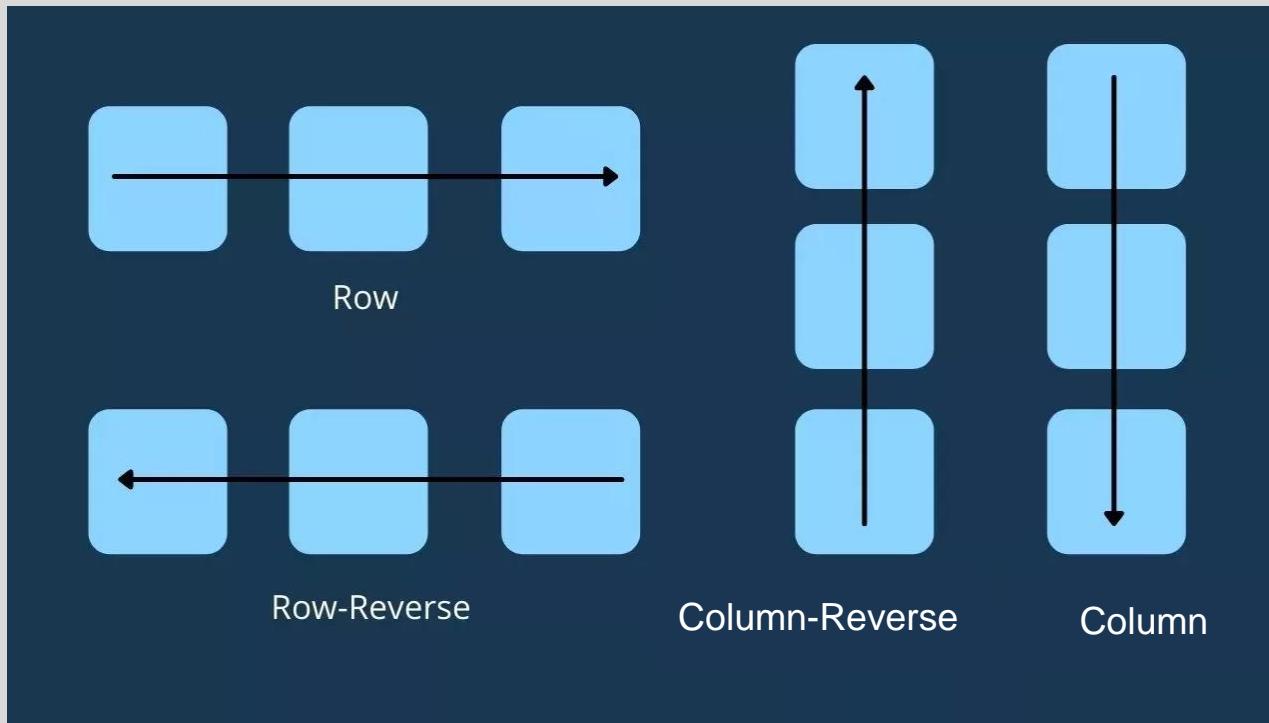
Flex-Column

هیحط ليا divs جنب بعض على نفس column او يعكسهم ويحطهم ف نهاية column



Use **.flex-column** to set a vertical direction, or **.flex-column-reverse** to start the vertical direction from the opposite side

Flex direction



Flex direction

flex-direction

row



column



column-reverse



row-reverse



D-Flex

➤ اقدر احدد هو Row ولا Column
وكمان بالعكس يعني reverse ولا لا
➤ مع اي نوع شاشه انا احده

- .flex-row
- .flex-row-reverse
- .flex-column
- .flex-column-reverse
- .flex-sm-row
- .flex-sm-row-reverse
- .flex-sm-column
- .flex-sm-column-reverse
- .flex-md-row
- .flex-md-row-reverse
- .flex-md-column
- .flex-md-column-reverse
- .flex-lg-row
- .flex-lg-row-reverse
- .flex-lg-column
- .flex-lg-column-reverse
- .flex-xl-row
- .flex-xl-row-reverse
- .flex-xl-column
- .flex-xl-column-reverse
- .flex-xxl-row
- .flex-xxl-row-reverse
- .flex-xxl-column
- .flex-xxl-column-reverse



Justify Content



Bootstrap

- کده div دوی محتویین جوه items واحد d-flex
- وكل مره بغیر شکل justify content کل مره بیتغیر فعشان کده مکان items

Justify Content

Justify content

Flex item 1 Flex item 2 Flex item 3

Justify content end

Flex item 1 Flex item 2 Flex item 3

Justify content center

Flex item 1 Flex item 2 Flex item 3

Justify content between

Flex item 1 Flex item 2 Flex item 3

Justify content around

Flex item 1 Flex item 2 Flex item 3



Bootstrap

Justify Content

```
<div class="d-flex justify-content-start">...</div>
<div class="d-flex justify-content-end">...</div>
<div class="d-flex justify-content-center">...</div>
<div class="d-flex justify-content-between">...</div>
<div class="d-flex justify-content-around">...</div>
<div class="d-flex justify-content-evenly">...</div>
```

اقدر احدد items موجوده جوه ➤
هبيقي شكلهم جنب بعض عامل از اي
عندی اکثر من طریقه ➤

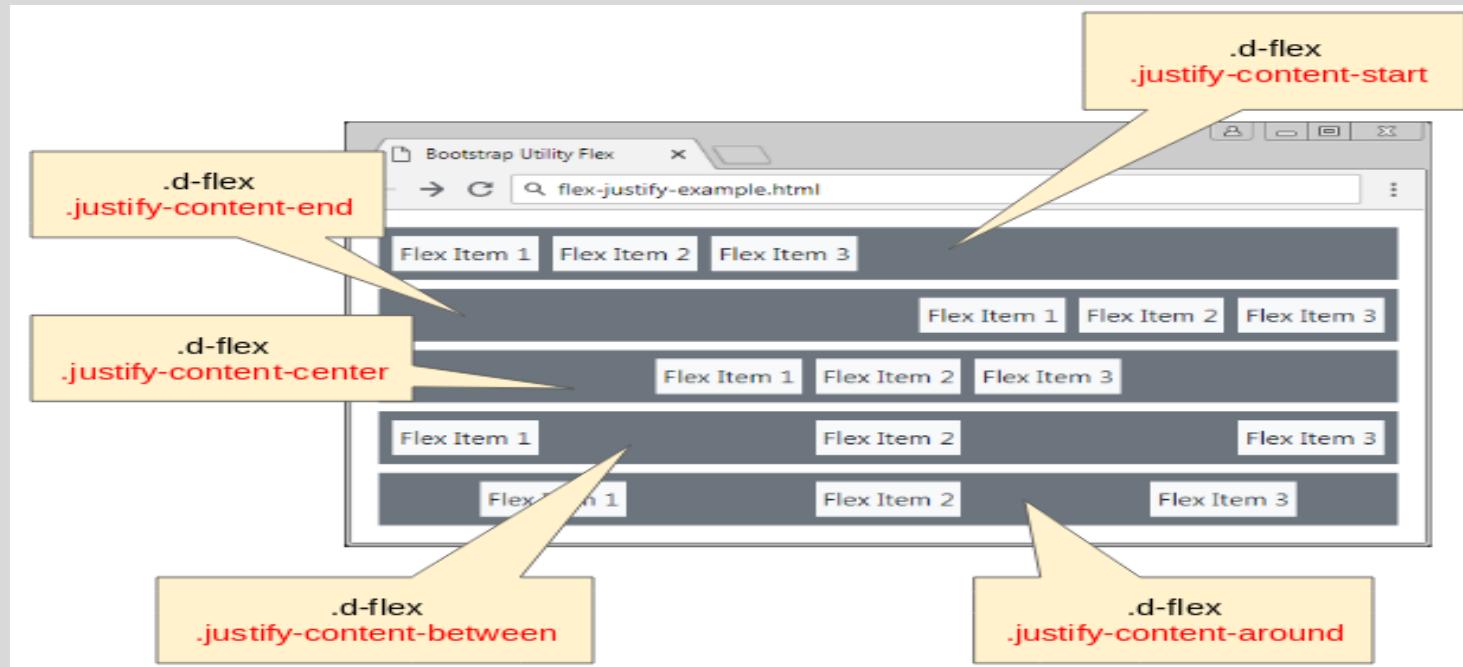


Rule

Use **justify-content** utilities on flexbox containers to change the alignment of flex items on the main axis (the x-axis to start, y-axis if **flex-direction: column**). Choose from **start** (browser default), **end**, **center**, **between**, **around**, or **evenly**

Bootstrap

Justify Content



Bootstrap

- 1) Justify-content-start
- 2) Justify-content-end
- 3) Justify-content-center
- 4) Justify-content-between
- 5) Justify-content-around
- 6) Justify-content-evenly

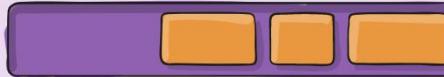


Justify Content

flex-start



flex-end



center



space-between



space-around



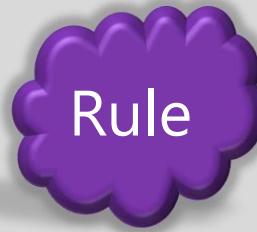
space-evenly



- ✓ justify-content-start
- ✓ justify-content-end
- ✓ justify-content-center
- ✓ justify-content-between
- ✓ justify-content-around
- ✓ justify-content-evenly
- ✓ justify-content-sm-start
- ✓ justify-content-sm-end
- ✓ justify-content-sm-center
- ✓ justify-content-sm-between
- ✓ justify-content-sm-around
- ✓ justify-content-sm-evenly
- ✓ justify-content-md-start
- ✓ justify-content-md-end
- ✓ justify-content-md-center
- ✓ justify-content-md-between
- ✓ justify-content-md-around
- ✓ justify-content-md-evenly
- ✓ justify-content-lg-start
- ✓ justify-content-lg-end
- ✓ justify-content-lg-center
- ✓ justify-content-lg-between
- ✓ justify-content-lg-around
- ✓ justify-content-lg-evenly
- ✓ justify-content-xl-start
- ✓ justify-content-xl-end
- ✓ justify-content-xl-center
- ✓ justify-content-xl-between
- ✓ justify-content-xl-around
- ✓ justify-content-xl-evenly
- ✓ justify-content-xxl-start
- ✓ justify-content-xxl-end
- ✓ justify-content-xxl-center
- ✓ justify-content-xxl-between
- ✓ justify-content-xxl-around
- ✓ justify-content-xxl-evenly

Justify content

اقدر اغير على **justify-content** حسب حجم **screen**



Responsive variations also exist for **justify-content**.





Align
items

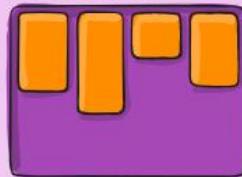


Bootstrap

Align items

align-items

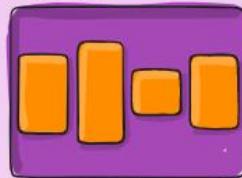
flex-start



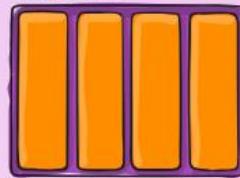
flex-end



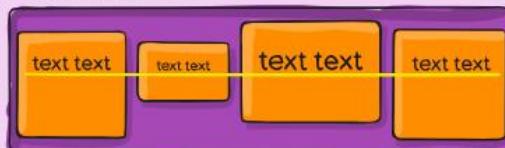
center



stretch



baseline



Bootstrap

Align items

➤ اقدر اغير align بـتاع الـي
موجوده جوه d-flex

```
<div class="d-flex align-items-start">...</div>
<div class="d-flex align-items-end">...</div>
<div class="d-flex align-items-center">...</div>
<div class="d-flex align-items-baseline">...</div>
<div class="d-flex align-items-stretch">...</div>
```

Rule

Use **align-items** utilities on flexbox containers to change the alignment of flex items on the cross axis (the y-axis to start, x-axis if **flex-direction: column**). Choose from **start**, **end**, **center**, **baseline**, or **stretch** (browser default)



- ✓ .align-items-start
- ✓ .align-items-end
- ✓ .align-items-center
- ✓ .align-items-baseline
- ✓ .align-items-stretch
- ✓ .align-items-sm-start
- ✓ .align-items-sm-end
- ✓ .align-items-sm-center
- ✓ .align-items-sm-baseline
- ✓ .align-items-sm-stretch
- ✓ .align-items-md-start
- ✓ .align-items-md-end
- ✓ .align-items-md-center
- ✓ .align-items-md-baseline
- ✓ .align-items-md-stretch
- ✓ .align-items-lg-start
- ✓ .align-items-lg-end
- ✓ .align-items-lg-center
- ✓ .align-items-lg-baseline
- ✓ .align-items-lg-stretch
- ✓ .align-items-xl-start
- ✓ .align-items-xl-end
- ✓ .align-items-xl-center
- ✓ .align-items-xl-baseline
- ✓ .align-items-xl-stretch
- ✓ .align-items-xxl-start
- ✓ .align-items-xxl-end
- ✓ .align-items-xxl-center
- ✓ .align-items-xxl-baseline
- ✓ .align-items-xxl-stretch

Align items

➤ اقدر اغیر align items على حسب حجم screen



Responsive variations also exist for align-items

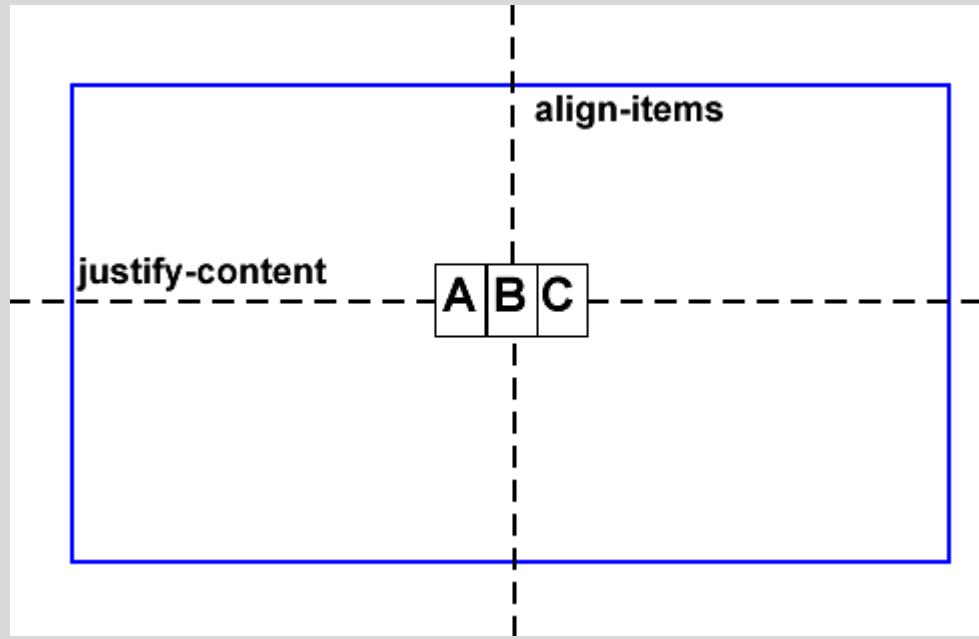


Align items vs justify content

الفرق بين justify و align items ؟ content

items Align items ➤ بالطول

لكن justify content ➤ items بالعرض



Align items vs justify content

لوضع item ف منتصف div باستخدام
? d-flex

Center هخلي Align items تبقي ➤
وكمان justify content اخليها ف ➤
Center

align-items:center;

justify-content:center;



Align self

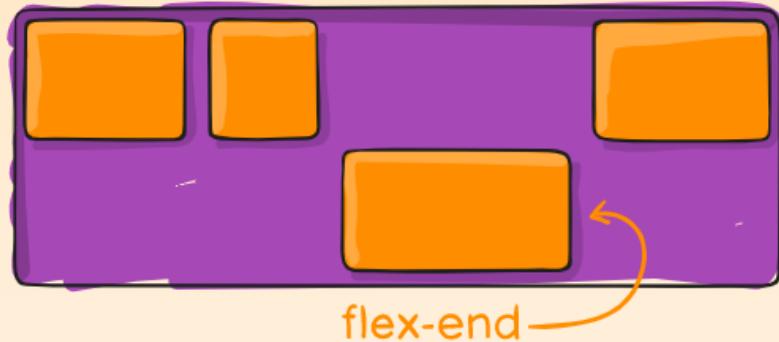


Align self item

كل align start واحدين items لكن انا
عاوز واحد معين يأخذ align end هستعمل align self item ➤

align-self

flex-start



Bootstrap

Align self

```
<div class="align-self-start">Aligned flex item</div>
<div class="align-self-end">Aligned flex item</div>
<div class="align-self-center">Aligned flex item</div>
<div class="align-self-baseline">Aligned flex item</div>
<div class="align-self-stretch">Aligned flex item</div>
```

▶ هو default انه لو align item معين اغير عاوز الخاص لاي حاجه تانيه اقدر

Rule

Use **align-self** utilities on flexbox items to individually change their alignment on the cross axis (the y-axis to start, x-axis if **flex-direction: column**). Choose from the same options as **align-items: start, end, center, baseline, or stretch** (browser default)



- ✓ .align-self-start
- ✓ .align-self-end
- ✓ .align-self-center
- ✓ .align-self-baseline
- ✓ .align-self-stretch
- ✓ .align-self-sm-start
- ✓ .align-self-sm-end
- ✓ .align-self-sm-center
- ✓ .align-self-sm-baseline
- ✓ .align-self-sm-stretch
- ✓ .align-self-md-start
- ✓ .align-self-md-end
- ✓ .align-self-md-center
- ✓ .align-self-md-baseline
- ✓ .align-self-md-stretch
- ✓ .align-self-lg-start
- ✓ .align-self-lg-end
- ✓ .align-self-lg-center
- ✓ .align-self-lg-baseline
- ✓ .align-self-lg-stretch
- ✓ .align-self-xl-start
- ✓ .align-self-xl-end
- ✓ .align-self-xl-center
- ✓ .align-self-xl-baseline
- ✓ .align-self-xl-stretch
- ✓ .align-self-xxl-start
- ✓ .align-self-xxl-end
- ✓ .align-self-xxl-center
- ✓ .align-self-xxl-baseline
- ✓ .align-self-xxl-stretch

Align self item

اقدر اغير على align self item
حسب حجم screen



Responsive variations also exist for align-self.



لمزيد من معلومات عن D-flex

<https://getbootstrap.com/docs/5.0/utilities/flex/>



الواجب - Homework



الواجب - Homework

مطلوب منك

(1) عمل لعبه الرحله الثانيه

(2) تحويل Responsive design ل Design



House Of Games

مطلوب منك

Start

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Exit



Lesson
No.19

Bootstrap

D-Flex



By :- Safaa El-Shafe'y

Watch The video

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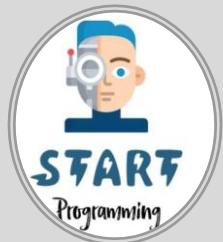
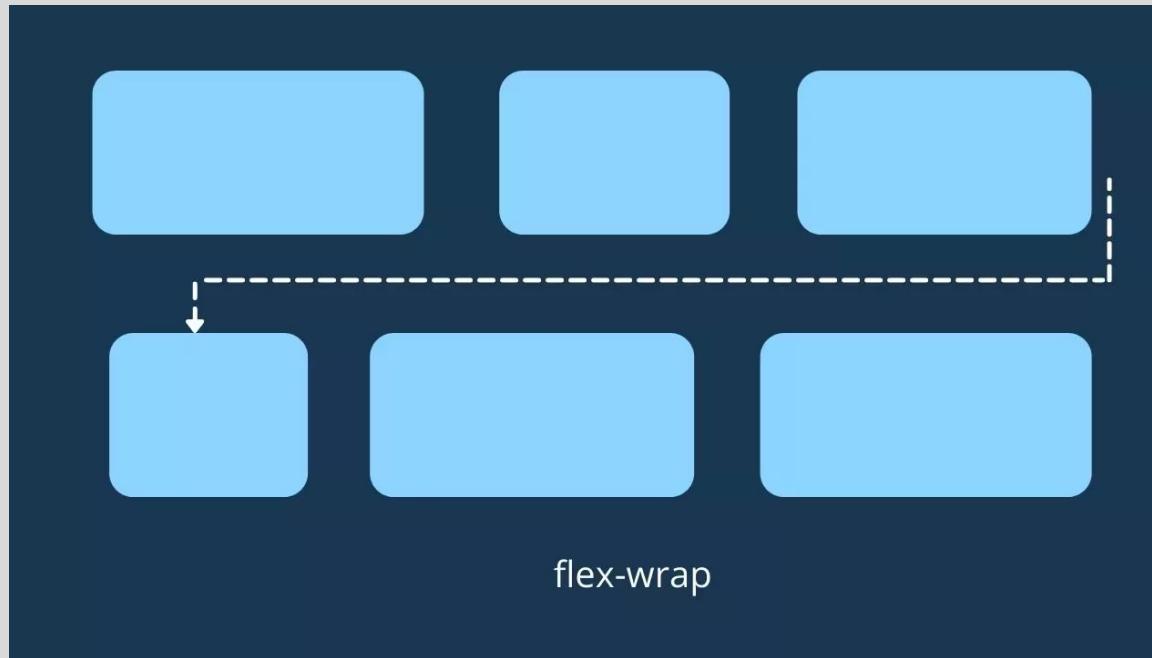
By :- Safaa El-Shafe'y



Warp



Flex wrap



Wrap vs no-wrap

Flex-wrap:nowrap;



Flex-wrap:wrap;



Flex-wrap:wrapreverse;



Bootstrap

```
<div class="d-flex flex-wrap">  
  ...  
</div>
```

No wrap

➤ هو default انه no wrap
➤ يعني انه مش يكمل ف سطر جديد ويكتبهم كلهم ف سطر واحد

➤ وبعد يصغر ف حجمهم لحد ما كلهم يبقوا علي خط واحد

Rule

Change how flex items wrap in a flex container. Choose from no wrapping at all (the browser default) with `.flex-wrap`, wrapping with `.flex-wrap`, or reverse wrapping with `.flex-wrap-reverse`



Bootstrap

```
<div class="d-flex flex-wrap">  
  ...  
</div>
```

Wrap

هينزل ليا سطر جديد ومش
هيفضل مكمل كله ف نفس
السطر

Rule

Change how flex items wrap in a flex container. Choose from no wrapping at all (the browser default) with `.flexnowrap`, wrapping with `.flex-wrap`, or reverse wrapping with `.flex-wrap-reverse`



Bootstrap

Wrap Reverse

هيعمل ليا Wrap بس بالعكس
reverse

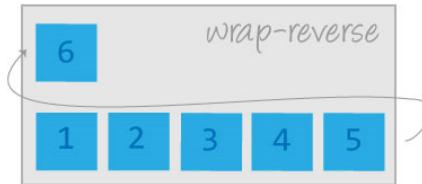
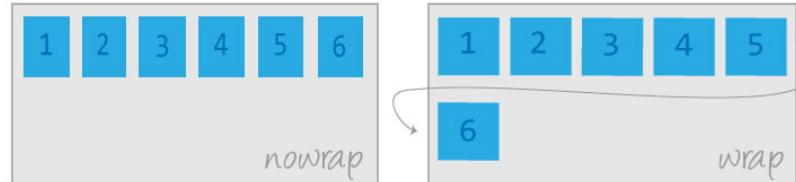
```
<div class="d-flex flex-wrap-reverse">  
  ...  
</div>
```

Rule

Change how flex items wrap in a flex container. Choose from no wrapping at all (the browser default) with `.flexnowrap`, wrapping with `.flex-wrap`, or reverse wrapping with `.flex-wrap-reverse`



Flex wrap



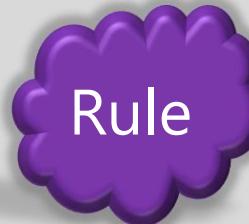
FlexWrap



- ✓ .flex-nowrap
- ✓ .flex-wrap
- ✓ .flex-wrap-reverse
- ✓ .flex-sm-nowrap
- ✓ .flex-sm-wrap
- ✓ .flex-sm-wrap-reverse
- ✓ .flex-md-nowrap
- ✓ .flex-md-wrap
- ✓ .flex-md-wrap-reverse
- ✓ .flex-lg-nowrap
- ✓ .flex-lg-wrap
- ✓ .flex-lg-wrap-reverse
- ✓ .flex-xl-nowrap
- ✓ .flex-xl-wrap
- ✓ .flex-xl-wrap-reverse
- ✓ .flex-xxl-nowrap
- ✓ .flex-xxl-wrap
- ✓ .flex-xxl-wrap-reverse

Flex wrap

اقدر اغیر wrap علی حسب حجم screen



Responsive variations also exist for **flex-wrap**



شرح Flex باستخدام CSS

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>



الواجب - Homework



الواجب - Homework

مطلوب منك

عمل لعبه الرحله الثانيه (1)

تحويل Responsive design ل Design (2)

الشاشة الخاصه ب menu اختيار العاب (3)

صفحه choose any game (4)



مطلوب منك

Choose any Game



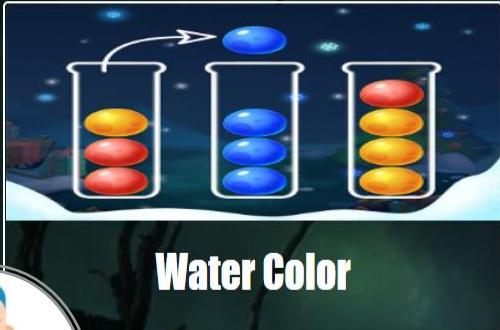
Maze Game



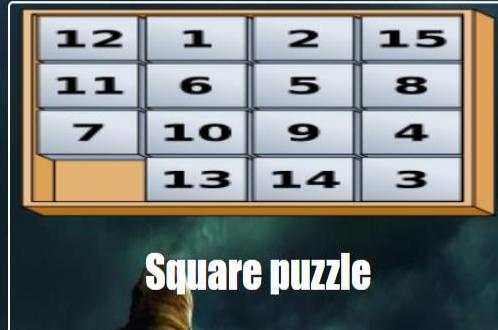
Memory Game



Tic-Tac-Toe



Water Color



Square puzzle



Globblet Board



Back

الواجب - Homework



يلا نحل
الواجب



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Lesson No.20

CSS

Animation



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مثال حلقتنا

Loading ...



START
Programming

Animation

- ✓ @keyframes
- ✓ animation-name
- ✓ animation-duration
- ✓ animation-delay
- ✓ animation-iteration-count
- ✓ animation-direction
- ✓ animation-timing-function
- ✓ animation-fill-mode
- ✓ animation

نقاط مهمة هنறعف عليها
خلال تعلم animation



CSS

Animation

```
@keyframes example {  
  from {background-color: red;}  
  to {background-color: yellow;}  
}  
  
div {  
  background-color: red;  
  animation-name: example;  
  animation-duration: 4s;  
}
```

- لون خلفيه Div هيعد يبقي من لون احمر ل لون اصفر لمده 4 ثواني
- بعد كده يتثبت على لون احمر عشان ده لونه الاصلية

Rule

- ❑ An animation lets an element gradually change from one style to another.
- ❑ You can change as many CSS properties you want, as many times as you want.
- ❑ To use CSS animation, you must first specify some keyframes for the animation.
- ❑ Keyframes hold what styles the element will have at certain times



CSS

The @keyframes Rule

```
@keyframes example {  
  from {background-color: red;}  
  to {background-color: yellow;}  
}  
  
div {  
  background-color: red;  
  animation-name: example;  
  animation-duration: 4s;  
}
```

- هيكتب داخل element ويكتب اسم Animation-name
- وبعد كده اعمل @keyframe واكتب اسم animation
- وابدء اوصف هو بيعمل ايه بالظبط

Rule

- ❑ When you specify CSS styles inside the `@keyframes` rule, the animation will gradually change from the current style to the new style at certain times
- ❑ To get an animation to work, you must bind the animation to an element



Animation duration

```
@keyframes example {  
  from {background-color: red;}  
  to {background-color: yellow;}  
}  
  
div {  
  background-color: red;  
  animation-name: example;  
  animation-duration: 4s;  
}
```

هیحدد مده هتبقى اد ایه animation >

Rule

The **animation-duration** property defines how long an animation should take to complete. If the **animation-duration** property is not specified, no animation will occur, because the default value is 0s (0 seconds)



CSS

From & To

```
@keyframes example {  
  from {background-color: red;}  
  to {background-color: yellow;}  
}  
  
div {  
  background-color: red;  
  animation-name: example;  
  animation-duration: 4s;  
}
```

From هتحدد هيبدء من اول فين
To مفروض يوصل لايه
ولما يخلص Animation خالص
هيرجع ل property اللي كانت
موجوده ف element الاصلي

Rule

we have specified when the style will change by using the keywords "from" and "to" (which represents 0% (start) and 100% (complete)).



Present

```
@keyframes example {
  0% {background-color: red;}
  25% {background-color: yellow;}
  50% {background-color: blue;}
  100% {background-color: green;}
}
div {
  background-color: red;
  animation-name: example;
  animation-duration: 4s;
}
```

ممكن احدد شكل animation عن طريق النسب لما From 0 هو و 100 هو

واي حاجه ف النص ده هيبيقي طول وقت animation

- ❑ It is also possible to use percent. By using percent, you can add as many style changes as you like.
- ❑ The following example will change the background-color of the <div> element when the animation is 25% complete, 50% complete, and again when the animation is 100% complete



Rule

CSS

delay an animation

```
div {  
width: 100px;  
height: 100px;  
position: relative;  
background-color: red;  
animation-name: example;  
animation-duration: 4s;  
animation-delay: 2s;  
}
```

مش هيدء animation
علي طول لا هيستني الاول ثانيتين



- ❑ The **animation-delay** property specifies a delay for the start of an animation.
- ❑ The following example has a 2 seconds delay before starting the animation

CSS

delay an animation

```
div {  
width: 100px;  
height: 100px;  
position: relative;  
background-color: red;  
animation-name: example;  
animation-duration: 4s;  
animation-delay: -2s;  
}
```

لو رقم delay بالسالب
ده معناه ان animation بدء بالفعل
بقاله ثانتين



Rule

- ❑ Negative values are also allowed. If using negative values, the animation will start as if it had already been playing for N seconds.
- ❑ In the following example, the animation will start as if it had already been playing for 2 seconds

CSS

Animation-iteration-count

```
div {  
width: 100px;  
height: 100px;  
position: relative;  
background-color: red;  
animation-name: example;  
animation-duration: 4s;  
animation-iteration-count: 3;  
}
```

Iteration-count بتحدد ليا
Animation هيتكرر كام مره



- ❑ The **animation-iteration-count** property specifies the number of times an animation should run.
- ❑ The following example will run the animation 3 times before it stops

Animation-iteration-count

```
div {  
width: 100px;  
height: 100px;  
position: relative;  
background-color: red;  
animation-name: example;  
animation-duration: 4s;  
animation-iteration-count: infinite;  
}
```

Iteration-count بتحدد ليا
هيتكرر كام مره Animation
لو عاوزه يتكرر الي ما لانهايه
استعمل infinite

- The following example uses the value "infinite" to make the animation continue for ever

Rule



CSS

Animation-direction

```
div {  
width: 100px;  
height: 100px;  
position: relative;  
background-color: red;  
animation-name: example;  
animation-duration: 4s;  
animation-direction: reverse;  
}
```

حدد اتجاه animation
الاتجاه Reverse
هتخليه يمشي ف عكس



- The **animation-direction** property specifies whether an animation should be played forwards, backwards or in alternate cycles

Animation-direction

- ✓ **normal** - The animation is played as normal (forwards). This is default
- ✓ **reverse** - The animation is played in reverse direction (backwards)
- ✓ **alternate** - The animation is played forwards first, then backwards
- ✓ **alternate-reverse** - The animation is played backwards first, then forwards

Normal هتخلي animation يمشي زى ما حددت ليه

Reverse هيعكس اتجاه

Alternative هيمشي اول ف نفس الاتجاه خاص بيها بعد كده يعده

Animation تاني وهو بيعكسه

Alternative-reverse هيمشي اول ف عكس اتجاه بعد كده يعيد

animation تاني وف اتجاه الاصل



Animation-timing-function

```
#div1 {animation-timing-function: linear;}  
#div2 {animation-timing-function: ease;}  
#div3 {animation-timing-function: ease-in;}  
#div4 {animation-timing-function: ease-out;}  
#div5 {animation-timing-function: ease-in-out;}
```

► بتحديد سرعة بدايه ونهائيه

animation



Rule

The **animation-timing-function** property specifies the speed curve of the animation

Animation-timing-function

- ✓ **ease** - Specifies an animation with a slow start, then fast, then end slowly (this is default)
- ✓ **linear** - Specifies an animation with the same speed from start to end
- ✓ **ease-in** - Specifies an animation with a slow start
- ✓ **ease-out** - Specifies an animation with a slow end
- ✓ **ease-in-out** - Specifies an animation with a slow start and end



Ease > هتبده ف الاول بطيئه و تعد سرع ولما تقرب لنهايه هترجمه تبطيء
 تاني وده default نفس سرعة من بدايه لنهايه مش هيغيرها خالص
 Ease-in هيطيء وهو بيبدء بس
 Ease-out هيطيء ف الآخر فقط
 Ease-in-out هيطيء ف الاول والآخر فقط

لمشاهده کل طرق

Animation-timing-function

https://www.w3schools.com/css/tryit.asp?filename=trycss3_animation_speed





CSS

Animation short hand property

```
div {  
    animation: example 5s linear 2s infinite  
    alternate;  
}  
  
div {  
    animation-name: example;  
    animation-duration: 5s;  
    animation-timing-function: linear;  
    animation-delay: 2s;  
    animation-iteration-count: infinite;  
    animation-direction: alternate;  
}
```

ممكن اكتب كل
animation properties
ف
one statement
عن طريق Short hand

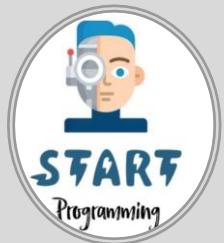


Rule

- ❑ The example below uses six of the animation properties
- ❑ The same animation effect as above can be achieved by using the shorthand **animation** property

لمزيد من معلومات عن Animation

[https://www.w3schools.com/css/css3_animations.
asp](https://www.w3schools.com/css/css3_animations.asp)



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مطلوب منك

عمل Animation الخاص بصفحة (1)
House of game (2)



مطلوب منك

Of House Games



Let's Go

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Lesson
No.21

Libraries

Animate.css



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Animation

عنان اضيف ملف **Css** ➤

```
<head>
    <link rel="stylesheet"
        href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/4.1.1/animate.min.css" />
</head>
```



- add file css directly to your webpage



Add Animation

```
<h1 class="animate_animated  
animate_bounce">An animated  
element</h1>
```

animate_animated ➤
Animate__ ➤
وبعدها اسم animation ➤



After installing Animate.css, add the class `animate_animated` to an element, along with any of the [animation names](#) (don't forget the `animate_` prefix!)



Using @keyframe

```
.my-element {  
    display: inline-block;  
    margin: 0 0.5rem;  
  
    animation: bounce;  
    animation-duration: 2s; /* don't  
forget to set a duration! */  
}
```

- او ممكن اضيفها ف Css
- واكتب اسم animation
- ومتناش تكتب duration

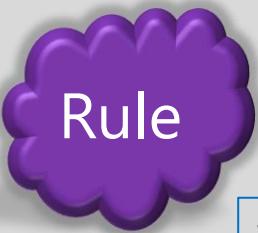


Even though the library provides you a few helper classes like the animated class to get you up running quickly, you can directly use the provided animations keyframes. This provides a flexible way to use Animate.css with your current projects without having to refactor your HTML code

Delay animation

```
<div class="animate_animated  
animate_bounce animate_delay-  
2s">Example</div>
```

- ممكن اضيف delay لـ animation بداعي عن طريق ازود Class واتكتب عدد Animate_delay- ثواني



you can add delays directly on the element's class attribute



Delay animation

Class Name	Delay time
Animte__delay-2s	2 second
Animte__delay-3s	3 second
Animte__delay-4s	4 second
Animte__delay-5s	5 second



Speed of animation

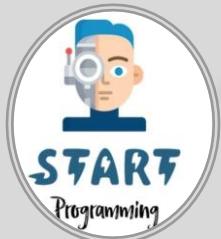
```
<div class="animate_animated  
animate_bounce  
animate_faster">Example</div>
```

- ممکن اضافه کردن speed屬性 برای animation
- عن طریق از ورد Class واحد عاوه ای بطيء Animate_
- ولا سریع
- ده اعتبره duration animation



Rule

You can control the speed of the animation by adding these classes



Speed of animation

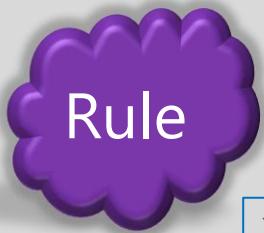
Class Name	Delay time
Animte__slow	2 second
Animte__slower	3 second
Animte__fast	800 milli Second
Animte__faster	500 milli Second



Repeating

```
<div class="animate_animated  
animate_bounce animate_repeat-  
2">Example</div>
```

ممكن اضيف ل repeat
animation بتابع Class عن طريق ازود
واحدد عدد Animate_repeat-
مرات اللي عاوزه يتعد فيهم
ده اعتبره animation iteration count



You can control the iteration count of the animation by adding these classes



repeating

Class Name	Delay time
Animte_repeat-1	2 second
Animte_repeat-2	3 second
Animte_repeat-3	800 milli Second
Animte_infinite	500 milli Second



لمزيد من معلومات عن Animate.css

<https://animate.style/>



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الواجب - Homework

مطلوب منك

اضافه animation في project Round 1 (1)



Lesson
No.

Libraries

Animate On scroll

AoS

By :- Safaa El-Shafe'y



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Animate on scroll

- ✓ Add css file
- ✓ Add javascript File
- ✓ Initilze javascript

ازاي اضيف Aos

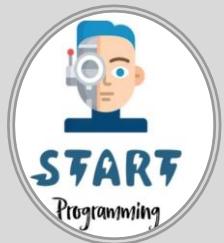
Note

ممكن اعمل لملفات download
وممكن احط links بتاعتها



لتحميل AOS

<https://michalsnik.github.io-aos/>

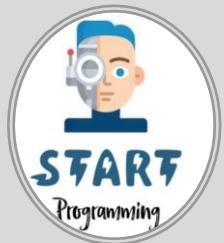




AOS

Animate On Scroll Library

SCROLL DOWN





اضافه ملفات على هيئه
لينكات



Add css

اضيف ملف Css ➤

```
<link  
href="https://unpkg.com/aos@2.3.1/  
dist/aos.css" rel="stylesheet">
```



Add JavaScript

```
<script  
src="https://unpkg.com/aos@2.3.1/dist/a  
os.js"></script>
```

اضيف ملف JavaScript
قبل ما اقفل body



initialize JavaScript

أعمل JavaScript لـ initialize >

```
<script>  
  AOS.init();  
</script>
```





طريقه الاستخدام
Data-aos



Add data-aos

```
<div data-aos="fade-up"></div>
```

- ▶ اضيف لهم attribute اسمه Data-aos
- ▶ وبعد كده أخلي value بتاعته باسم animation



لمزيد من معلومات عن AOS

<https://michalsnik.github.io-aos/>



الواجب - Homework



الواجب - Homework

مطلوب منك

اضافه animation في project Round 1 (1)



Lesson
No.

Libraries

Transition



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CSS

Transition

```
div {  
    width: 100px;  
    height: 100px;  
    background: red;  
    transition: width 2s;  
}  
div:hover {  
    width: 300px;  
}
```

از اي هيتنقل ليما من حاله لحاله
انا كده بقوله خد ثانين عقبال ما العرض
بتاعك يكبر

Rule

- ❑ The transition effect will start when the specified CSS property (width) changes value.
- ❑ Now, let us specify a new value for the width property when a user mouses over the <div> element





CSS

Transition

```
div {  
  transition: width 2s, height 4s;  
}
```

➤ ممكن نعملها على اكتر من property
عادي ونحدد لكل واحده فيهم مده مختلفه



Rule

- ❑ The following example adds a transition effect for both the width and height property, with a duration of 2 seconds for the width and 4 seconds for the height



Timing Function



transition-timing-function

- ✓ `ease` - specifies a transition effect with a slow start, then fast, then end slowly (this is default)
- ✓ `linear` - specifies a transition effect with the same speed from start to end
- ✓ `ease-in` - specifies a transition effect with a slow start
- ✓ `ease-out` - specifies a transition effect with a slow end
- ✓ `ease-in-out` - specifies a transition effect with a slow start and end

Ease > هتبده ف الاول بطئه و تعد سرع ولما تقرب لنهايه هترجمه بطيء تاني وده default نفس سرعة من بدايه لنهايه مش هيغيرها خالص

Ease-in > هيطيء وهو بيبدء بس

Ease-out > هيطيء ف الآخر فقط

Ease-in-out > هيطيء ف الاول والآخر فقط





CSS

transition-timing-function

```
#div1 {transition-timing-function: linear;}  
#div2 {transition-timing-function: ease;}  
#div3 {transition-timing-function: ease-in;}  
#div4 {transition-timing-function: ease-out;}  
#div5 {transition-timing-function: ease-in-out;}
```



Rule

- ❑ The **transition-timing-function** property specifies the speed curve of the transition effect.





Delay



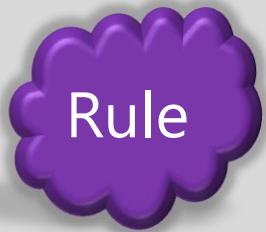


CSS

transition-Delay

```
div {  
  transition-delay: 1s;  
}
```

هیستتی مده زمنیه قبل ما بیدء ➤



Rule

- The **transition-delay** property specifies a delay (in seconds) for the transition effect

لمعرفه المزيد عن transition

https://www.w3schools.com/css/css3_transitions.asp



Lesson
No.

Bootstrap

Forms



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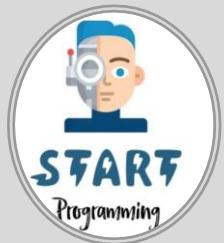
Click Here ...



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لمزيد من معلومات عن Form Overview

<https://getbootstrap.com/docs/5.0/forms/overview/>



Extra
Information

Bootstrap

Buttons



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Close Button

```
<button type="button" class="btn-close"  
aria-label="Close"></button>
```

زرار ➔ Close

Note

لو عاوزه اخليه disabled ازود attribute



disabled

```
<button type="button" disabled  
class="btn-close" aria-  
label="Close"></button>
```

لو حطتها على اي زرار او لينك
مش هقدر ادوس عليهم

Note

Class مش attribute ده



Spinners



Spinners

عشان اقدر اعمل loading ➤

```
<div class="spinner-border" role="status">
  <span class="visually-
hidden">Loading...</span>
</div>
```



لمزيد من معلومات عن Spinners

<https://getbootstrap.com/docs/5.2/components/spinners/>



Extra
Information

Website

Important



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How To



<https://www.w3schools.com/howto/>

الموقع بيوفر لك design
ويكتب ليك تحتيه الكود بتاعه وازاي عمله
من موقع W3school





Icons



Lord icon



<https://lordicon.com/icons/>

مكتبة ايقونات متحركة ➔





Images



unsplash

للحصول على صور بجودة عالية 

✓ <https://unsplash.com/>





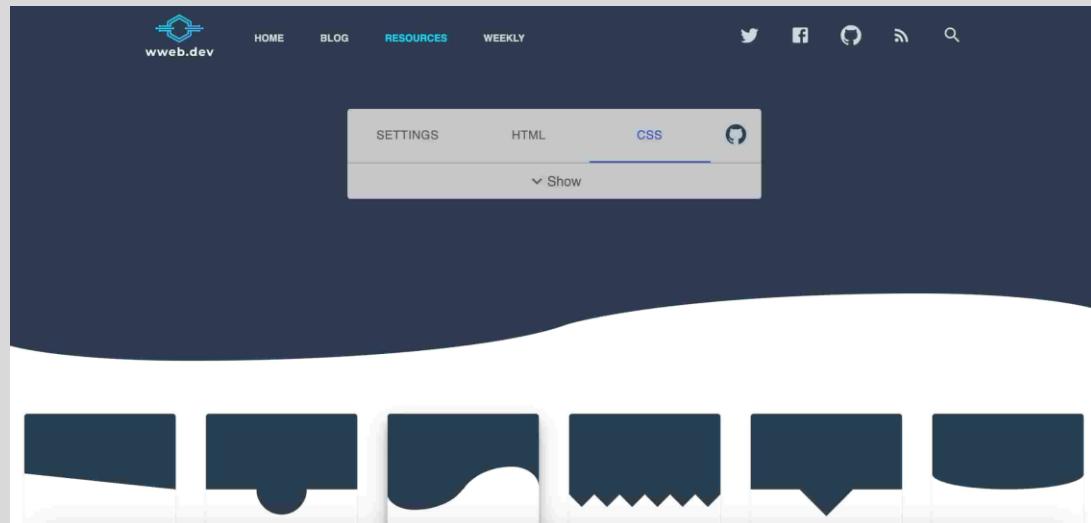
CSS



Wweb.dev

✓ <https://wweb.dev/resources/css-separator-generator/>

هيساعدك انك تعمل separator ➔



Css matic

✓ <https://www.cssmatic.com/>

الموقع دا فيه اربع ادوات اساسية هم ➤

Gradient Generator ❖

Border Radius ❖

Noise Texture ❖

Box Shadow ❖

المفيد بالموقع دا انك بتشوف التعديل ➤

مباشرةً قدام عيناك ودا هيسهل عليك

تلخص التعديل بسرعة وتنسخ الكود

مباشرةً لموقعك



Challenges



Frontend Mentor



<https://www.frontendmentor.io/challenges>

- الموقع بيوفرك starter code + design ومش عليك غير انك تبدأ
- ميزة الموقع انه بيصنف كل المشاريع ل ٣ مستويات : junior, intermediate, advanced.
- تقدر تختار مشاريع بال html او CSS بس او تختار مشاريع بال JavaScript كمان.
- الموقع بيضيف مشاريع جديدة كل شهر منغير رسوم وعنه كمان خاصية انك تشتراك عليه عشان يبقي عندك امكانية تشو夫 مشاريع اكتر.



Codewell

✓ <https://www.codewell.cc/challenges>

- شبيه جدا ب frontend mentor منغير ما يبقى مصنف المشاريع بناء على صعوبتهم.
- لو خلصت المشاريع اللي على الموقع الاول وحبيت تكمل، هتلaci هنا مشاريع كتير.
- بردو عنده خاصية انك تشتراك في الموقع عشان ت Shawf مشاريع اكتر؛ غير كده، هو بيلاش وتقدر تعمل عليه اكونت من خلال ال GitHub بتاعاك.
- اغلب المشاريع فيها JavaScript.



لپناك خاص ب 50 مشروع
تقدر تعلمهم في 50 يوم



<https://github.com/mohamed7sameer/50projects50days>



Template



- ✓ html5-templates.com
- ✓ mashup-template.com
- ✓ onepagelove.com
- ✓ templatemo.com
- ✓ freehtml5.co
- ✓ graygrids.com
- ✓ uicookies.com
- ✓ w3layouts.com
- ✓ free-css.com
- ✓ mobirise.com
- ✓ nicepage.com
- ✓ templated.co
- ✓ tooplate.com
- ✓ html5up.net

Templates

أشهر مواقع ل الحصول على Free templates
 باستخدام html css



اسهل موقع فيهم هو
templatemo

<https://templatemo.com/>



تم بحمد الله محتوي
الرحلة 4





THE END





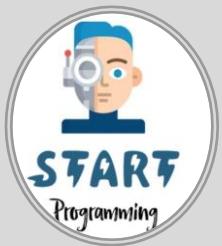
تثبيته قام جدرا

لا تنسى مشاهدة رابع حلقة من
عوالم خفية





Final Project



المسابقات



شروط المسابقه :

- عمل الواجبات الدروس السابقة
- عمل المشروع النهائي
- رفع الكود المشروع على موقع Github
- إرسال كل هذا الى عبر موقع تواصل اجتماعي



أعلى نسبة تفاعل على مواقع التواصل الاجتماعي

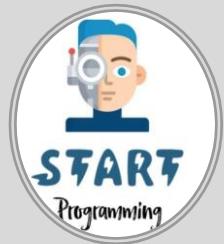
هو
الفائز
معانا





THE BEST

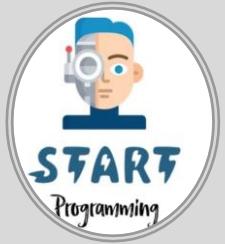
programmer



يلا بینا علی الرحله

5





السلام عليكم ورحمة الله
وبركاته