

HTML CSS part - 3- 90 minutes

For Beginners Part III

CSS Properties

CSS properties

1. • Adding borders, font, pseudo classes
2. • Positioning elements (absolute, relative, fixed and static)
3. • Box model (margins, padding)
4. • Floating elements (float left, right etc.)
5. • Including external resources
6. • Absolute and Relative Paths
7. • Including external resources like CSS, images etc

CSS 3

1. • Difference between CSS2 and CSS3
2. • Adding borders and backgrounds
3. • Advanced text effects(shadow)
4. • Adding Transitions to elements
5. • Responsive Designs
6. • Difference between multiple devices, making a page to work on multiple devices • Media queries

Then Bootstrap..



Adding borders

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

p.solid {border-style: solid;}

p.double {border-style: double;}

p.groove {border-style: groove;}

p.ridge {border-style: ridge;}

p.inset {border-style: inset;}

p.outset {border-style: outset;}

p.none {border-style: none;}


p.hidden {border-style: hidden;}



Font

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

```
.p1 {  
    font-family: "Times New Roman", Times, serif;  
}  
  
.p2 {  
    font-family: Arial, Helvetica, sans-serif;  
}  
  
.p3 {  
    font-family: "Lucida Console", "Courier New", monospace;  
}
```



Bold or not Bold again..Why is this important?

```
p.normal {  
    font-weight: normal;  
}
```

```
p.thick {  
    font-weight: bold;  
}
```



CSS info with flexbox

https://www.youtube.com/watch?v=OXGznpKZ_sA

<https://flexboxfroggy.com/>



Font size:

```
body {  
    font-size: 100%;  
}  
  
h1 {  
    font-size: 2.5em;  
}  
  
h2{ font-size: 20px; }
```



Responsive Font size with VW

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

```
<h1 style="font-size:10vw">Hello World</h1>
```



Pseudo classes

```
/* selected link */
```

```
a:active {
```

```
    color: blue;
```

```
}
```

https://www.w3schools.com/css/tryit.asp?filename=trycss_pseudo-class_links



Positioning elements (absolute, relative, fixed and static)

<https://developer.mozilla.org/en-US/docs/Web/CSS/position>

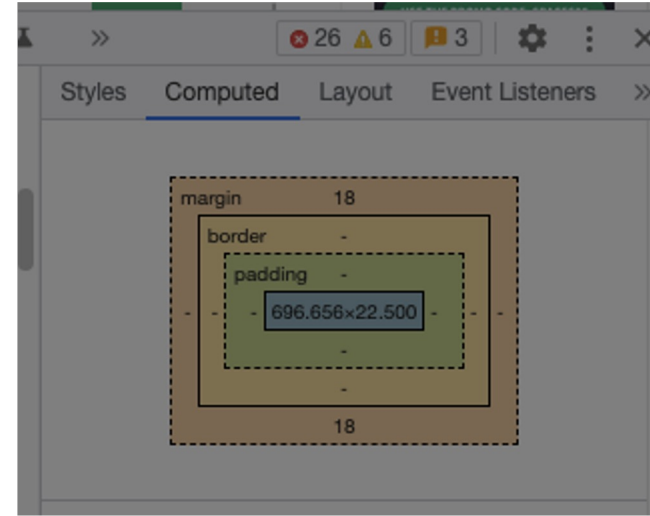
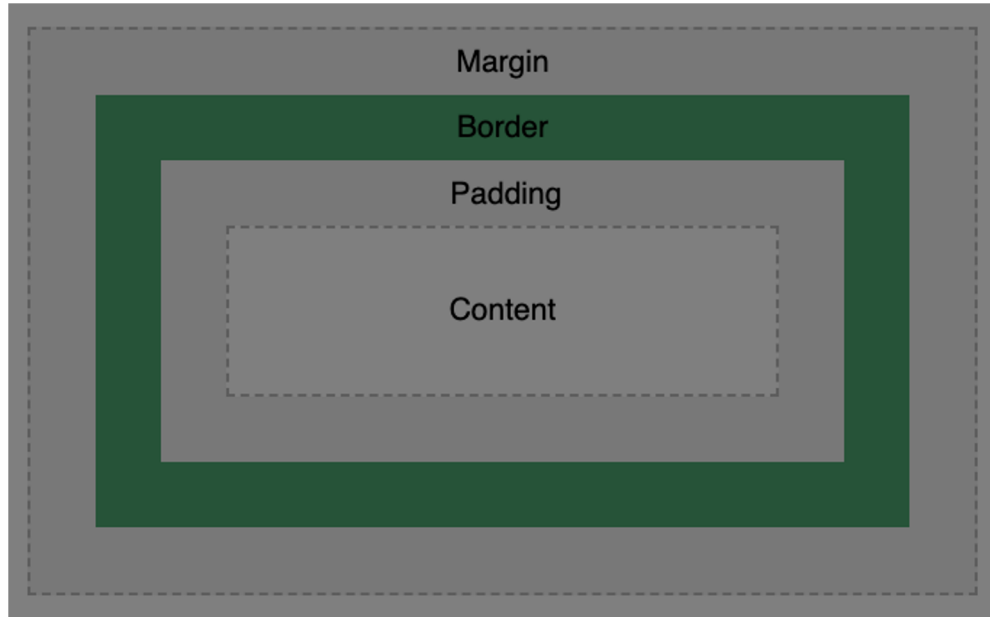
`position:absolute;`

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



Box model (margins, padding)

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



Questions:

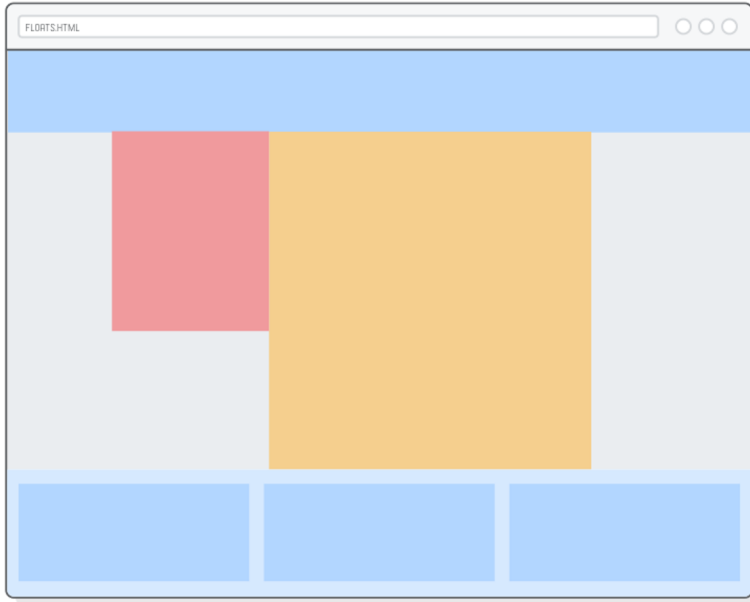
1. What is the inner name of the Box model?
2. What is the name of the outer part of the Box Model?
3. What is the shortcut name to remember this?

MbPC



Floating elements (float left, right etc.)

<https://developer.mozilla.org/en-US/docs/Web/CSS/float>



Including external resources

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>

  </body>

</html>
```

For css...How about images?



Absolute and Relative Paths

Windows absolute path

```
C:\Windows\calc.exe
```

Windows non absolute path (relative path)

```
calc.exe
```



Adding borders and backgrounds

What is the code for this?



Advanced text effects(shadow)

```
<style>
```

```
h1 {
```

```
  text-shadow: 2px 2px;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>Text-shadow effect!</h1>
```



Adding Transitions to elements

https://www.w3schools.com/css/tryit.asp?filename=trycss3_transition2

```
<style>
```

```
div {
```

```
  width: 100px;
```

```
  height: 100px;
```

```
  background: red;
```

```
  transition: width 2s, height 4s;
```



Responsive Designs

https://www.w3schools.com/html/html_responsive.asp

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

Where would you put this head or body?

```
@media only screen and (max-width: 620px) {
```

```
    /* For mobile phones: */
```

```
    .menu, .main, .right {
```

```
        width: 100%;
```

```
    }
```

```
}
```



Difference between multiple devices, making a page to work on multiple devices • Media queries

```
@media only screen and (max-width: ---px) {  
  
    /* For mobile phones: */  
  
    .menu, .main, .right {  
  
        width: 100%;  
  
    }  
  
}
```

Show and tell



Media queries: How do we hide the pictures or change the width? Is this mobile first?

```
* Extra small devices (phones, less than 768px) */
```

```
/* Small devices (tablets, 768px and up) */
```


```
@media (min-width: @screen-sm-min) { ... }
```

```
/* Medium devices (desktops, 992px and up) */
```

```
@media (min-width: @screen-md-min) { ... }
```

```
/* Large devices (large desktops, 1200px and up) */
```

```
@media (min-width: @screen-lg-min) { ... }
```



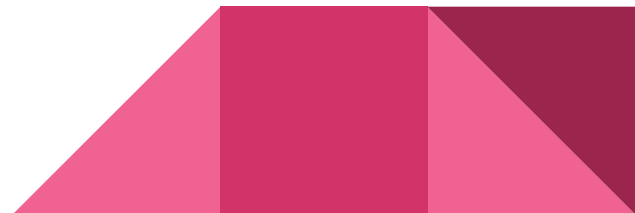
Bootstrap : What is the latest version?

<https://getbootstrap.com/>

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-GLhITQ8iRABdZLI6O3oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">
```

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwXhTBTkF7CXvN" crossorigin="anonymous"></script>
```

Where would you put this above code for bootstrap?



Project for Bootstrap:

You will be grouped to do a presentation for 20 minutes to find out the answers to these questions: (Please use some slides to get your notes together.)

1. What is Bootstrap Framework
 2. • Advantages of Bootstrap Framework
 3. • What is Responsive web page
 4. • What is Mobile-First Strategy
 5. • Setting up Environment
 6. • How to apply Bootstrap to Applications
- Bootstrap Grid
1. • What is Bootstrap Grid & How to apply Bootstrap Grid
 2. • What is Container
 3. • What is Offset Column
 4. • How to change class properties
 5. • How to use Typography
 6. • What is Bootstrap Tables
 7. • What is Bootstrap Form Layout
 8. • How to hide or show the text in Bootstrap



Project 2: for Bootstrap and research for Components:

Bootstrap Components

1. • Why Bootstrap Components & Advantages
2. • What are the different types of Bootstrap Components
3. • How to use Glyphicons Component
4. • What is Bootstrap Dropdown Menu Component
5. • How to use Button Groups and Button Toolbar
6. • What are different Input Groups Components
7. • What is Navigation Pills & Tabs Components
8. • How to build a Responsive Navbar
9. • How to Add Forms and other controls to Navbar
10. • What is Jumbotron / Page Header Components
11. • How to Create Progress Bar
12. • What is Media Objects Component
13. • What is Bootstrap List Group Component
14. • What is Bootstrap Panel Component

Get your presentations and notes ready for this:



Summary :

1. What did you learn from Bootstrap?
2. What is CSS?
3. How would you put CSS in your work? What are the 3 ways?

Example portfolio that you can create:

<https://chetannada.netlify.app/#contact>

