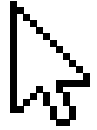


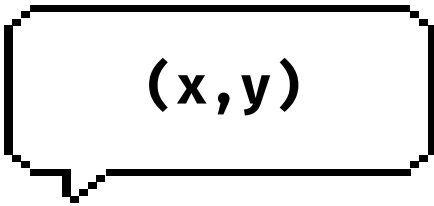


# Computer Science :

## HTML & CSS



**Week 5: Responsive Design Basics**



01

# Media Queries

Used to define style rule for different media/device types  
Can be used for height and width, resolution, orientation, etc.

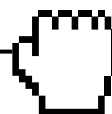


# @media

Example:

```
@media mediatype and [media features]{  
}
```

1. Put @media
2. Put media type value: **all, print, or screen**  
**all** - used for all media devices (default)  
**print** - used for the print preview mode  
**screen** - for computers, tablets, phones
3. Put “and” then media feature inside []  
List of features Media Queries
4. For multiple features you must write: “and” or “,” (“,”=or)





# Inside @media

Example:

```
@media all and (max-width: 500px) and  
(max-height: 400px){  
    body { color: red; }  
}
```

Inside the curved brackets, you can start writing basic CSS Code.

Example Above: Any screen less than 500px will have red text in the body





# Remember CSS reads from top to bottom

This will produce blue text after 500px but remain red before 500px

```
body {  
  color: blue;  
}  
  
@media all and (max-width: 500px) and (max-height:  
400px){  
  body {  
    color: red;  
  }  
}
```

This will stay blue even when you below 500px; second command overrides it

```
@media all and (max-width: 500px) and (max-height:  
400px){  
  body {  
    color: red;  
  }  
}  
  
body {  
  color: blue;  
}
```



# 02

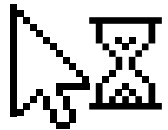
## Viewport Meta Tag



# What is Viewport?

Viewport is the visible area of the web page to users. The Viewport varies in size depending on the device.

The viewport `<meta>` tag should always be included in your web page.





# <meta>

Example:

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

This gives the web page instructions on how to control the dimensions

**device-width** - sets the width of the page to follow the devices screen width

**initial-scale= 1.0** - sets the initial zoom level of the page





# Keep in Mind

1. Remember to adjust your content to fit your width.
2. Do not set content to a specific device width because the device width varies
3. To avoid absolutes that may not transfer between different devices size, use CSS media queries to set width with values, such as 100%.