

### 1. What is the purpose of HTML?

HTML stands for hypertext markup language which is used to create static as well as dynamic websites. It is used to design the structure of a webpage which are rendered by web browsers.

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### 2. Can you explain the difference between a block-level and inline element in HTML?

Block level tags like `<p>`, `<div>`, etc are used for the contents to occupy the whole width of the page for themselves.

Inline level tags like `<span>` are used for contents to occupy only the space in width of the page as per its contents requirements.

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### 3. What is a Semantic And Non-Semantic tag?

Semantic tags are self explanatory tags for their contents like `<table>`, `<form>`, etc.

Non-semantic tags like `<div>`, `<span>`, etc doesn't explain anything about their content, any type of content are not meaningful, can be used with different attributes.

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#### 4. What are HTML Attributes?

HTML attributes defines meaning and properties of a Html tag.

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#### 5. Write down HTML Layout in a specific manner.

```
<HTML>  
<HEAD><TITLE></TITLE>  
</HEAD>  
<BODY><BODY>  
</HTML>
```

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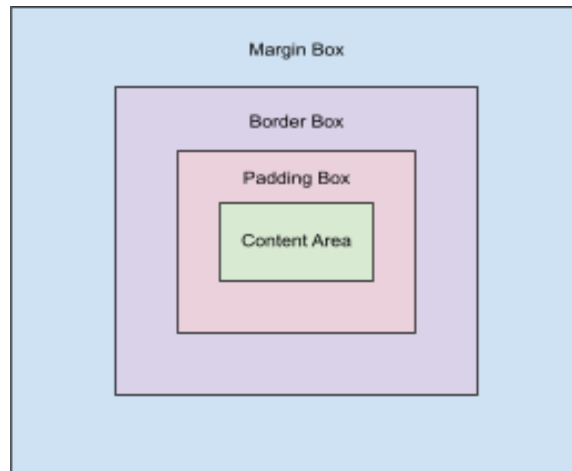
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#### 6. What is BOX Model

The box model is used to define the different layers around a content which can be handled by the user to design the layout of the webpage.



**CSS BOX MODEL**

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7. Write down different ways to use css in an HTML file.

Ways to use CSS in HTML are:

- 1) External CSS
- 2) Internal CSS
- 3) Inline CSS

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8. What are CSS selector?

CSS selectors are used to define styling to the specified class, id, tag, etc.

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## 9. What are Media Queries and what are their uses?

Media Queries are used in CSS styling sheets to add styles to web page components with respect to screen size or resolution as per defined. This is very useful to make web pages responsive.

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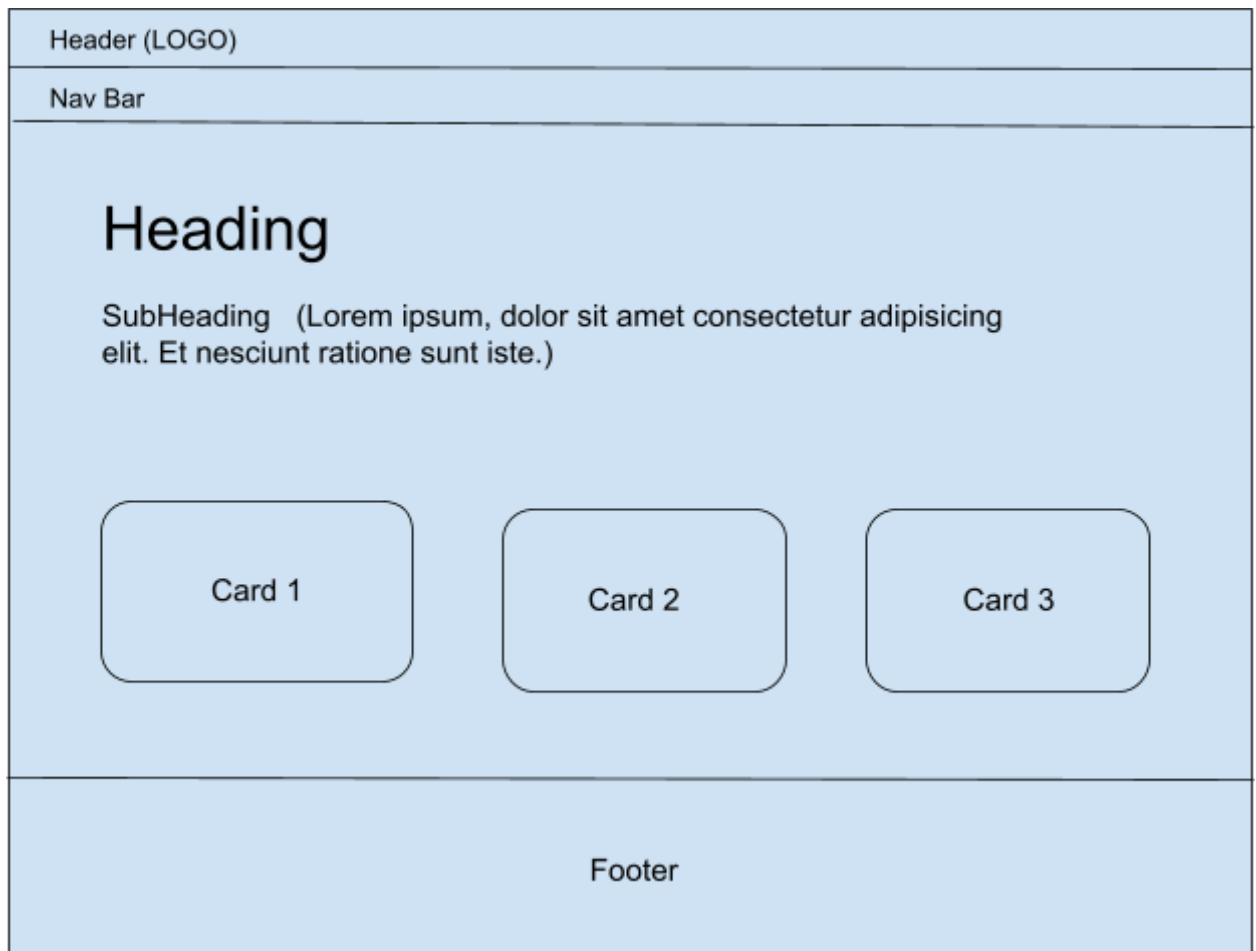
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## 10. Try to make a simple responsive web page with proper HTML layout, Css selectors and MediaQuery on your system. Web page screen Example.

Rule for responsive: Header logo should be good in size in mobile view, For Desktop all cards should be aligned in a single row but for tablet and mobile each card in single row.

Screen Size: Mobile (less than or equal to 640), Tablet(less than or equal to 1024) and Desktop( greater than 1024).



## webpage.html :

```
<HTML>
  <HEAD>
    <TITLE>Practice webpage</TITLE>
    <link href="module.css" rel="stylesheet">
  </HEAD>
  <BODY>
    <header>HEADER (LOGO)</header>
    <nav>
      <ul>
        <li>Home</li>
        <li>Profile</li>
        <li>Documentations</li>
      </ul>
    </nav>
  </BODY>
</HTML>
```

```

</nav>

<div id="heading-content"><h1>Heading</h1></div>
<div id="sub-content">
    SubHeading    (Contrary to popular belief, Lorem Ipsum is not simply random
text. It has roots in a piece of classical Latin literature from 45 BC, making it over
2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in
Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem
Ipsum passage, and going through the cites of the word in classical literature,
discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33
of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written
in 45 BC. This book is a treatise on the theory of ethics, very popular during the
Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from
a line in section 1.10.32.

    The standard chunk of Lorem Ipsum used since the 1500s is reproduced below
for those interested. Sections 1.10.32 and 1.10.33 from "de Finibus Bonorum et
Malorum" by Cicero are also reproduced in their exact original form, accompanied by
English versions from the 1914 translation by H. Rackham.)

</div>
<div class="cards-area">
    <span class="card"><h3 class="card-content">Card 1</h3></span>
    <span class="card"><h3 class="card-content">Card 2</h3></span>
    <span class="card"><h3 class="card-content">Card 3</h3></span>
</div>
<footer>Footer</footer>
</BODY>
</HTML>

```

## module.css :

```

* {
    margin: 0px;
    padding: 0px;
}

header {
    font-size: 40px;
    font-weight: bold;
    padding: 10px;
    border-bottom: solid 2px rgb(0, 0, 0);
}

```

```
}

ul {
  border-bottom: solid 2px rgb(0, 0, 0);
}

li {
  display: inline-block;
  align-content: center;
  font-size: 18px;
  padding: 10px;
  cursor: pointer;
  border-bottom: 3px solid rgba(255, 255, 255, 0);
}

li:hover {
  border-bottom: 3px solid rgb(128, 0, 255);
  transition: 1ms ease;
}

#heading-content {
  margin: 10px;
}

#sub-content {
  margin: 10px;
  font-size: 16px;
}

.cards-area {
  margin: 10px;
  width: 100%;
  display: inline-flex;
  justify-content: center;
}

.card {
  display: inline-block;
  margin: 10px;
  cursor: pointer;
  border: 2px solid rgb(128, 0, 255);
  border-radius: 20px;
}
```

```

width: 200px;
overflow: hidden;
background-color: aqua;
}

.card-content {
  position: relative;
  margin-bottom: 100px;
  background-color: aliceblue;
  color: blueviolet;
  border-radius: 0px 0px 100px 5px;
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  padding: 10px;
  display: block;
}

footer {
  bottom: 100%;
  width: 100%;
  font-size: 20px;
  font-weight: bold;
  text-align: center;
  padding-top: 30px;
  border-top: solid 2px rgb(0, 0, 0);
  padding-bottom: 30px;
}

@media screen and (max-width: 1023px) {
  .cards-area {
    display: block;
  }

  .card {
    width: 40%;
    margin-left: 50%;
    transform: translateX(-50%);
  }

  .card-content {
    margin-bottom: 200px;
  }

  header {

```



```
        position: static;
    }

    ul {
        display: flex;
        justify-content: center;
    }
}

@media screen and (max-width: 639px) {
    .card {
        width: 70%;
        margin: 0% 0% 5% 50%;
        transform: translateX(-50%);
    }
}
```