Introduction to HTML/CSS

Exercise 5

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1. **How are inline and block elements different from each other?**

    > Inline elements are those elements of HTML which doesn't start with a new line.

    > They don't have closing tags since they end in same tags.

    > They are usually used to define a property to the content.

    Ex: <a>, <br>, <span>, etc.

    > Block elements are those elements of HTML which always start with a new line.

    > They always have closing tags since they represent to a group of element.

    > They can be used for define the content of a block, or to make a block.

    Ex: <head>, <div>, <p>,<ol>,etc

2. **Explain the difference between visibility:hidden and display:none**

    > `visibility:hidden` means the user will not be able to see the content but it will still take the area.

    > `visibility:none` means the user will not be able to see as well as it will free space for other content.

    Ex: if there is a 2x2 unit picture between two paragraphs then 'hidden' will hide but there will be a 2x2 unit space between paragraphs but in case of 'none' there will be no space.

3. **Explain the clear and float properties.**

    > `float` is a CSS property which specifies how an element show flow in a container.

    > `clear` is also a CSS property which is used with `float` which specifies that an element won't be wrapped with the floated element.

4. **Explain difference between absolute, relative,fixed and static.**

    > These all are the methods/attribute of `position` property used in CSS.

    - `absolute` is used to relatively position the element to the nearest parent element.
    - `relative` is used to relatively position an element to its original position.
    - `fixed` is used to relatively position an element to the viewport.
    - `static` is used to position an element according to flow of the page.

5. **Write the HTML code to create a table in which there are 4 columns(ID , Employee Name, Designation, Department) and at least 6 rows. Also do some styling to it.**

    >
    ```
    <!DOCTYPE html>
    <html>
    <head>
    <style>
    table, td, th {
    ```
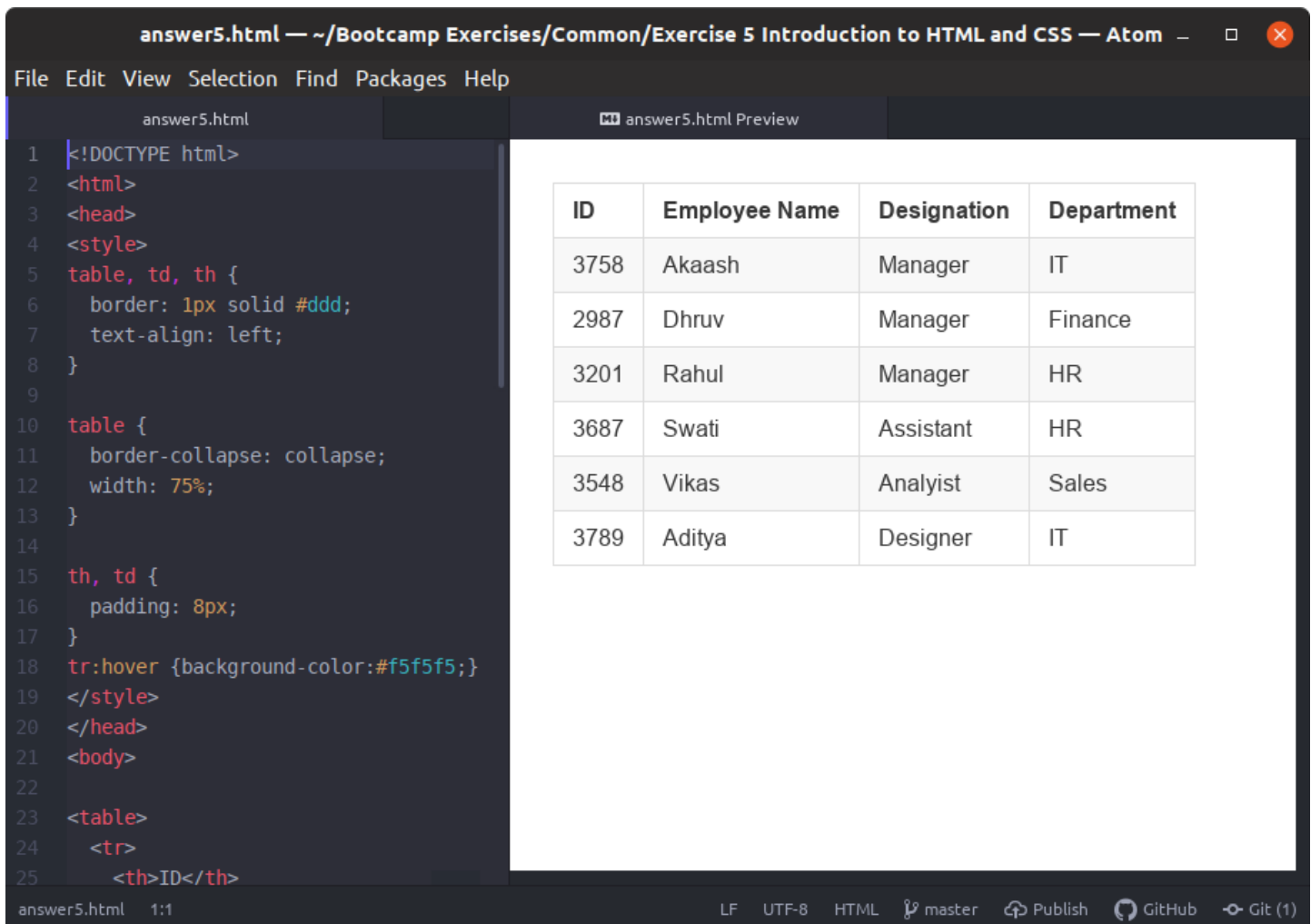
1

```
    border: 1px solid #ddd;
    text-align: left;
}
table {
  border-collapse: collapse;
  width: 75%;
}
th, td {
  padding: 8px;
}
tr:hover {background-color:#f5f5f5;}
</style>
</head>
<body>
<table>
  <tr>
    <th>ID</th>
    <th>Employee Name</th>
    <th>Designation</th>
    <th>Department</th>
  </tr>
  <tr>
    <td>3758</td>
    <td>Akaash</td>
    <td>Manager</td>
    <td>IT</td>
  </tr>
  <tr>
    <td>2987</td>
    <td>Dhruv</td>
    <td>Manager</td>
    <td>Finance</td>
  </tr>
  <tr>
    <td>3201</td>
    <td>Rahul</td>
    <td>Manager</td>
    <td>HR</td>
  </tr>
  <tr>
    <td>3687</td>
    <td>Swati</td>
    <td>Assistant</td>
    <td>HR</td>
  </tr>
  <tr>
    <td>3548</td>
    <td>Vikas</td>
    <td>Analyst</td>
    <td>Sales</td>
```

```
    </tr><tr>
      <td>3789</td>
      <td>Aditya</td>
      <td>Designer</td>
      <td>IT</td>
    </tr>
  </table>
  </body>
  </html>
```

Check folder answer 5

```
answer5.html — ~/Bootcamp Exercises/Common/Exercise 5 Introduction to HTML and CSS — Atom

File  Edit  View  Selection  Find  Packages  Help

          answer5.html                                  answer5.html Preview
1   <!DOCTYPE html>
2   <html>
3   <head>
4   <style>
5   table, td, th {
6     border: 1px solid #ddd;
7     text-align: left;
8   }
9
10  table {
11    border-collapse: collapse;
12    width: 75%;
13  }
14
15  th, td {
16    padding: 8px;
17  }
18  tr:hover {background-color:#f5f5f5;}
19  </style>
20  </head>
21  <body>
22
23  <table>
24    <tr>
25      <th>ID</th>
```

ID	Employee Name	Designation	Department
3758	Akaash	Manager	IT
2987	Dhruv	Manager	Finance
3201	Rahul	Manager	HR
3687	Swati	Assistant	HR
3548	Vikas	Analyist	Sales
3789	Aditya	Designer	IT

```
answer5.html   1:1                    LF   UTF-8   HTML   master   Publish   GitHub   Git (1)
```

6. **Why do we use meta tags?**

   > Meta means data of data. Since HTML document itself holds some information, meta tags store additional information of the page (which will never be displayed on webpage) like author name, content tags, files on page etc.

7. **Explain box model.**

> Elements in HTML can be considered as boxes. In CSS, the 'box model' is used when talking about design and layout. Box model describes how the size of each such block and its content is determined through styling instructions.

8. **What are the different types of CSS Selectors?**

> CSS selectors are patterns/keywords used to select the element that has to be styled.

9. **Define Doctype.**

> The `<!DOCTYPE>` declaration is not a tag, it is an instruction to the web browser about what version of markup language the page is written in.

10. **Explain 5 HTML5 semantic tags.**

> A semantic element are those elements which describes its meaning to both the browser and the developer.
>
> Ex: `<footer>`, `<time>`, `<header>`, `<details>`, `<summary>`, etc.

11. **Create HTML for web-page.jpg (check resources, highest weightage for answers)**

```
<!DOCTYPE html>
<html>
  <head>
    <title>To The New</title>
    <link rel="stylesheet" href="layout.css" type="text/css">
  </head>
<body>
  <div class="wrapper row1">
    <header id="header">
      <div id="ttn">
        <h1>To The New</h1>
      </div>
      <tabs>
        <ul>
          <li>LINK 1</li>
          <li>LINK 2</li>
          <li>LINK 3</li>
          <li>LINK 4</li>
          <li>Link 5</li>
        </ul>
      </tabs>
    </header>
  </div>
  <div class="wrapper row2">
    <div id="container">
      <section><img src="pic2.png"></section>
      <section id="shout">
        <p>
          Hello I am Abhishek Maurya and today I am doing Exercise 5 which
is Introduction to HTML/CSS.
```
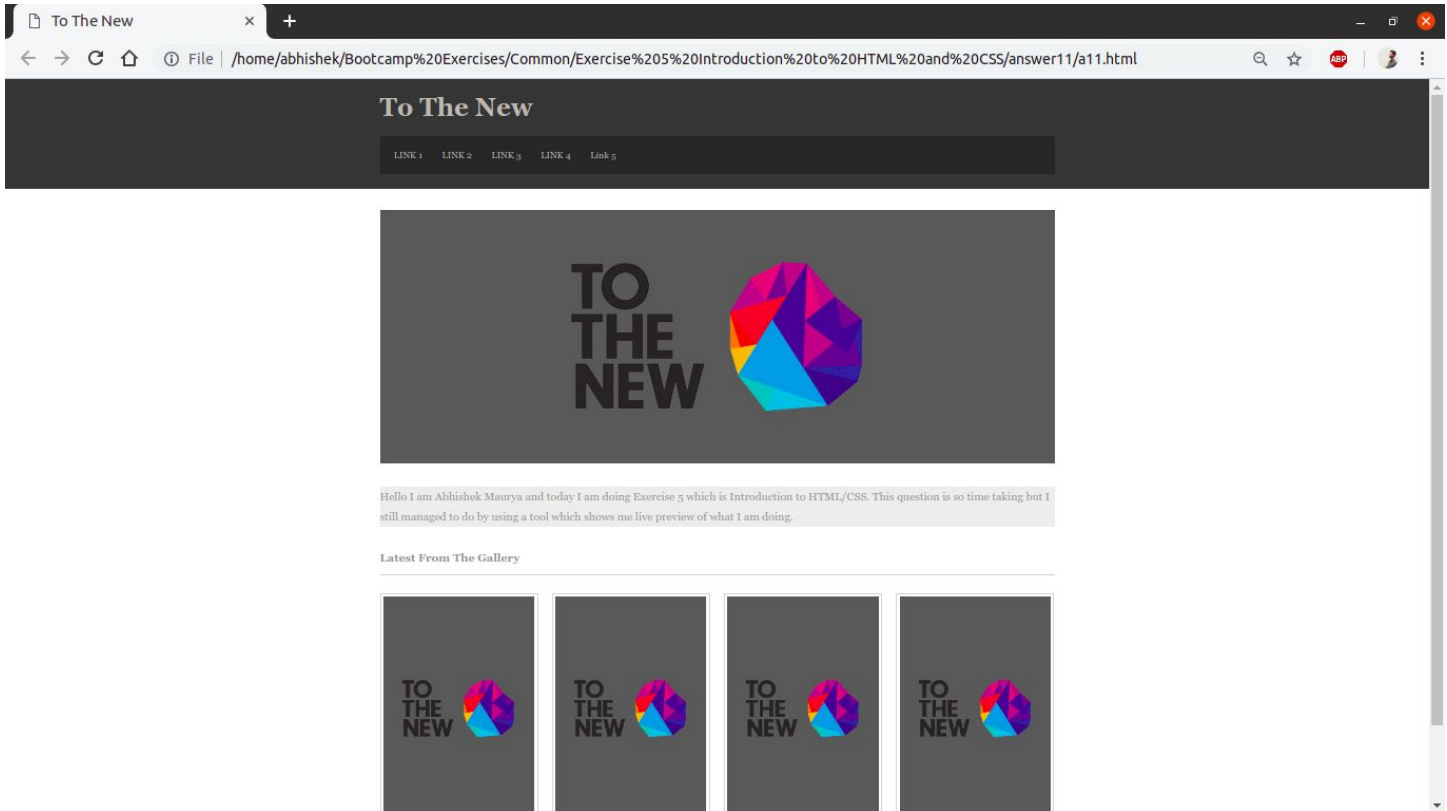
```
            This question is so time taking but I still managed to do by
using a tool which shows me live preview of what I am doing.
        </p>
      </section>
      <div id="homepage">
        <h1>Latest From The Gallery</h1>
        <section id="latest" class="last clear">
          <article class="one_quarter">
            <figure>
              <img src="pic1.png">Picture 1
            </figure>
          </article>
          <article class="one_quarter">
            <figure>
              <img src="pic1.png">Picture 2
            </figure>
          </article>
          <article class="one_quarter">
            <figure>
              <img src="pic1.png">Picture 3
            </figure>
          </article>
          <article class="one_quarter lastbox">
            <figure>
              <img src="pic1.png">Picture 4
            </figure>
          </article>
        </section>
      </div>
    </div>
  </div>
  <div class="wrapper row3">
    <footer id="footer" class="clear">
      <p class="left_footer">
        Copyright 2007-2019 - All Rights Reserved - To The New
      </p>
      <p class="right_footer">
        Template by To The New
      </p>
    </footer>
  </div>
</body>
</html>
```

Check folder answer 11

12. Create HTML for form.png (check resources, highest weightage for answers)

```
>   <!DOCTYPE html>
    <html lang="en" dir="ltr">
        <head>
            <meta charset="utf-8">
            <link rel="stylesheet" href="layout.css" type="text/css">
            <title>
              Bug Report
            </title>
        </head>

        <body>
            <div class="all">

                <div class="top">
                    <h2 style="margin-left:30px;">  Bug Report</h2>
                </div>

                <div class="content">
                    <form>
                        <label class="items">Title:*</label>
                        <input type="text" name="title" class="items"
    required>

                        <label class="items">Description:*</label><br
```

```html
                        <textarea name="description" style="height: 75px;
width:416px;" class="items"></textarea>

                    <label class="items">Operating System:*</label>
                    <select name="os">
                        <option value="Select">Select</option>
                        <option value="wxp">Windows XP</option>
                        <option value="w7">Windows 7</option>
                        <option value="w10">Windows 10</option>
                        <option value="ubu">Ubuntu</option>
                        <option value="mac">Mac OS</option>
                    </select>

                    <label class="items">Product:*</label>
                    <select name="prod">
                        <option value="Select">Select</option>
                        <option value="a">Android</option>
                        <option value="web">Website</option>
                        <option value="sc">Scripting</option>
                        <option value="ios">iOS</option>
                    </select>

                    <label class="items">Version:*</label>
                    <br>
                    <input type="text" name="version" required
class="items" style="width: 100px">
                    <br>
                    <label style="margin-left:30px;"
class="items">License:*</label>
                    <br><br>
                    <input type="radio" name="licence" value="free"
style="margin-left:30px;">Free
                    <input type="radio" name="licence" value="business"
style="margin-left:200px;">Business
                    <br><br>
                    <label class="items">Severity:*</label>
                    <select name="severity">
                        <option value="Select">Select</option>
                        <option value="crtitcal">Critical</option>
                        <option value="high">High</option>
                        <option value="med">Medium</option>
                        <option value="low">Low</option>
                        <option value="NA">Not Important</option>
                    </select>
                        <label class="items">Attachments:*</label><br>
                        <input type="file" name="extra" class="items">
                    </form>
                </div>

                <div class="bottom" class="items">
```

```
                        <input type="submit" name="send" value="Send"
style="font-size:18px; margin-left:395px; color:white; border:none;
border-radius:6px;background-color:mediumaquamarine; width:70px;
height:40px;">
                    </div>
            </div>
        </body>
</html>
```

Check folder answer 12