Assignment

Question 1. Build a simple webpage that displays text as shown in the below image.

This text wil be bolded.

This text will be underlined

This text will be highlighted

This is norman text this will be super scripted this is normal again

This is normal text this text will be subscripted

Normal text small text

This text will be deleted

ans.

```
<!DOCTYPE html>
<html>
<head>
<title>assignment</</title>
<body>
<b>This text will be bolded<B>

<u>This text will be underlined</u>

<h1 style="color:yellow;">This text will be highlighted</h1>

        <p>This is normal text<sup>This will be superscript</sup>This is normal
again</p>

        <P>this is normal text<sub>This text will be subscripted</sub></p>

<h1>Normal text</h1><h2>small text</h2>

<del>This text will be deleted</del>


        </Body>
        </head>
        </html>
```

Question 2. Build a simple webpage that helps user navigate different web development-related website. Note: on clickin the

hyperlink the web page should open in a new tap below is a reference images.
Navigate me:
Take me to **PW Skills** to buy a course.
Take me to **MDN doc** to know more about web development.
Take me to **PW Skill Lab** to practies live coding.

Ans. `<!DOCTYPE html>`

```html
<html>
<head>
<title>Navigate me:</title>
<body>
<p><h1>Take me to</h1><a href="html://development.mozilla.org/en-US/">PW
Skills</a><h1>To buy a course</h1>
</p>

<p><h1>take me to</h1> <a href="html://development.mozilla.org/en-US/">MDN doc</a>
<h1>To know more about web development</h1>
 </p>

 <p><h1>take me a</h1> <a href="html://development.mazilla.org/en-US/">PW Skills Lab</a>
<h1>To practices live coding</h1>
</p>

</body>
</head>
</html>
```

Question 3. Bhuild a simple blog web page with 3 pages home, web development, and design. Each page must contain hyperlink to other pages in the top heading of the page topic a paragraph of information for the home page you can add some information about yourself.
Ans.

```html
<!DOCTYPE html>
<html>
 <head>
```

```
    <title>Web page HTML</title>
</head>
<body>
    <a href="http://google.com>visit google</a>
    <a href="http://index.com"> visit  index poge</a>
    <a href="contact.html">contact us</a>
</body>
</html>
```

Question 4. Creat an ordered list of HTML tags. Each item must include the tag name and some information about the tag.
Ans.

An ordered list start with the <ol> tag each list item starts with the <li> tag

The HTML <ol> tag defines an ordered list. An ordered list can br numerical or alphabetical.

type="1" the list items will be numbered with numbers (default)

type="A" the list items will be numbered with uppercase latters

type="a" the list items will be numbered with lowercase latters.

type="I" the list items will be numbered with uppercase roman numbers.

type="i" the list items will be numbered with lowercase roman number.

Example.
  <h2> ordered list with numbers</h2>
  <ol type="1">
    coffee
     Tea

Question 5. Creat a description list of full stack web development tech stack, using the <dl>tag, Each term should be a tech stack name and each description shoild be a brief explanation of what the tech stack is used for.

Ans.
HTML Description List:

The HTML description list displays the elements in the form of a definition. The <dl>tag in HTML is used to represent the description list. This tag is used with <dt> and<dd>tags.

HTML Description List Tags

<dl>tag: This tag defines the description list

<dt>tag: This tag defines the data terms inside the list.

<dd>tag: This tag defines the description of data

```html
Example.
<!DOCTYPE html>
<html>

<body>
    <h1 style="color:green;''> GeeksForGeeks </h1>
    <h2> dl Tag</h2>
    <!-- HTML dl tag→
    <dl>
      <dt>geeks for geeks</dt>
      <dd>A computer science portal for geeks</dd>
    </dl>
</body>
</html>
```

Question 6.

Create an ordered list of the full stack web development tech stack HTML, CSS, and JS . for each tech stack, create a table list the tech stack name its primary used case and some key features or benefits.

Ans.

```html
<!DOCTYPE html>
<html>
<head>
<title>HTML</title>
<style>
```

```
          table ,th,td {borderd:5px solid black;}
</style>
<table>
  <tr>
     <th>primary use cases</th>
     <th> key features/ benefits</th>
  </tr>
     <td>Building the structure of web page</td>
     <td>
        <ul>
          <li>simple and easy to learn</li>
          <li>compatible with all web browsers</li>
          <li>Allows for semantic markup</li>
        </ul>
     </td>
</head>
</html>
```

Question 7.

   Build a complex nested list structure representing a multi-level table of contents. Use unordered lists (<ul>) and list items (<li>) with inline-block styling to create a structured layout. Apply formatting tags to enhance the presentation of list items.
Ans.

```
<!DOCTYPE html>
<html>
<body>
   <h1> Table of Contents</h1>
<table>

<ul>
     <li> part 1: introduction</li>
     <li>part 2: Getting started</li>
         <ul><li>2.1. Installing the software</li>
             <li>2.2. Creating a new project</li>
         </ul>
                    <li>2.2.1. Project templates</li>
                    <li>2.2.2 customizing settings</li>
```

```
                 <ul><li>2.3. Exploring the interface</li>
              </ul>
                                <li>2.3.1. Toolbar features</li>
                                <li>2.3.2. Panel layout</li>
                                      <li>2.3.2.1 Docking panels</li>
                                      <li>2.3.2.2 Tabbed interfaces</li>
        <li> part 3: Advance topic</li>
                <ul><li>3.1. Working with plugins</li>
                </ul>
                                   <li>3.1.1 installing plugins</li>
                                   <li>3.1.2 plugin configuration</li>
                <ul><li>3.2 customizing the UI</li>
                </ul>
                                      <li>3.2.1 changing themes</li>
                                      <li>3.2.2 configuring shortcuts</li>
                  <ul><li>3.3 optimizing performance</li>
                  </ul>
                                     <li>3.3.1 caching strategies</li>
                                     <li>3.3.2 Resource Minification</li>
        <li> part 4: conclusion</li>
 </ul>
 </table>
 </body>
 <html>
```

Question 8.

Creat table to display a conference schedule.Each now corresponds to a time slot, and each column corresponds to a room. some time a slots might have multiple sessions runni9ng simultaneously in different room, utilize rowspan and colspan attributes as necessary to accommodate this complex schedule. (use table attributes "cellpadding" to give extra padding in each table cell)

Ans.

```
   <!DOCTYPE html>
<html>
<head>
<title>HTML table</title>
```

```html
<style>
  table, th, td {
    border:5px solid black;
  }
  </style>
<table>
<tr>
  <th>time</th>
  <th>time 1</th>
  <th>room 2</th>
  <th>room 3</th>
  <th>room 4</th>
</tr>
<tr>
  <td rowspan="2">09:00AM-10:00AM</td>
  <td>Keynote</td>
  <td>session A</td>
  <td>session B</td>
  <td rowspan="2">seesion c</td>
</tr>
<tr>
  <td>10:30AM-11:30AM</td>
  <td colspan="2">session F</td>
</tr>
<tr>
  <td>12:00PM-1:00PM</td>
  <td colspan="4">LUNCH BREAK</td>
</tr>
<tr>
  <td rowspan="2">01:00PM-02:00PM</td>
  <td>Session G</td>
  <td rowspan="2">Session H</td>
  <td>Session I</td>
  <td>Session J</td>
</tr>
<tr>
  <td>Session K</td>
  <td>Session L</td>
  <td>Session M</td>
</tr>


</table>
</head>
```

```
</html>
```