# Assignment 4 Core Html

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

2.Build a simple webpage that helps users navigate different web development-related websites. Note: On clicking the hyperlink the web pages should open in a new tab. Below is a reference image.

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

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#### Home:

#### Web development:

### Web design:

```
<a href="/home.html" style="margin: 40px;">Home</a> <a
href="/Web_development.html" style="margin: 40px;">Web
development</a>
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Adipisci
nisi saepe expedita incidunt aliquid totam, voluptas alias pariatur,
non iusto quia officiis harum? Quis porro maxime laudantium laborum a
accusamus?
</body>
</html>
```

## 4.Create an ordered list of HTML tags. Each list item must include the tag name and some information about the tag

**->** 

```
<html lang="en">
  <meta charset="UTF-8">
  <title>HTML Tags List</title>
  <h1>Ordered List of HTML Tags</h1>
document.
      <strong>&lt;head&gt;</strong> - Contains metadata, links to
stylesheets, and other head elements.
      <strong>&lt;title&gt;</strong> - Sets the title of the
webpage displayed in the browser tab.
      <strong>&lt;body&gt;</strong> - Contains the content of the
webpage, including text, images, and other elements.
      <strong>&lt;h1&gt; to &lt;h6&gt;</strong> - Heading tags,
with <h1&gt; being the largest and &lt;h6&gt; the smallest.
      <strong>&lt;p&gt;</strong> - Represents a paragraph of
text.
      <strong>&lt;a&gt;</strong> - Defines a hyperlink, allowing
users to navigate to another page or section.
      <strong>&lt;img&gt;</strong> - Embeds an image in the
document using the "src" attribute.
      <strong>&lt;ul&gt;</strong> - Creates an unordered list
(bulleted list).
```

```
<strong>&lt;ol&gt;</strong> - Creates an ordered list
(numbered list).
      <strong>&lt;div&gt;</strong> - A generic container used for
layout and styling purposes.
      <strong>&lt;span&gt;</strong> - A generic inline container
used for styling specific text within elements.
      <strong>&lt;table&gt;</strong> - Defines a table
structure.
      <strong>&lt;tr&gt;</strong> - Represents a row in a
table.
      <strong>&lt;td&gt;</strong> - Represents a cell within a
table row.
      <strong>&lt;form&gt;</strong> - Creates a form for user
input.
      <strong>&lt;input&gt;</strong> - Defines an input field
within a form.
      <strong>&lt;button&gt;</strong> - Represents a clickable
button.
      <strong>&lt; footer&gt;</strong> - Defines the footer section
of a document.
```

## 5.Create a description list of full stack web development tech stack, using the

tag. Each term should be a tech stack name and each description should be a brief explanation of what the tech stack is used for

```
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```

```
<dt>HTML/CSS</dt>
      <dd>Used for structuring and styling web pages.</dd>
      <dt>Tailwind CSS</dt>
       <dd>A utility-first CSS framework that provides pre-built
classes to rapidly build custom designs.</dd>
      <dt>JavaScript</dt>
      <dd>The core language for adding interactivity and dynamic
content to websites.</dd>
      <dt>React</dt>
       <dd>A library for building efficient, component-based user
interfaces.</dd>
      <dt>Node.js</dt>
      <dd>A runtime environment that allows JavaScript to run on the
server side.</dd>
      <dt>Express</dt>
       <dd>A minimal web framework for Node.js used to build robust
backend APIs.</dd>
      <dd>A NoSQL database that provides flexible, scalable data
storage solutions.</dd>
      <dt>PostgreSQL</dt>
       <dd>An open-source relational database system known for its
reliability and advanced features.</dd>
      <dd>A containerization platform that helps create, deploy, and
run applications consistently across environments.</dd>
```

6.Create an ordered list of the full stack web development tech stack HTML, CSS, and JS. For each tech stack, create a table that lists the tech stack name, its primary use cases, and some key features or benefits. Below is a reference image.

**->** 

```
<html lang="en">
  <meta charset="UTF-8">
initial-scale=1.0">
  <title>Document</title>
 Primary use case
          Key Features/Benefits
       Building the structure of the website
          Simple and easy to learn
             Compatible with all web browsers
             Allows foe sementic markup
```

```
Primary use case
      Key Features/Benefits
      styling and layout of the website
         Allows for seperation content and presentation
           enables responsive designs
           Offers wideb range of styling options
 3.<big><b>JavaScript</b></big>
 Primary use case
      Key Features/Benefits
      to create interactive and dynamic content on web
pages
         ideal for both frontend and backend
development
```

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

```
->
```

```
<u style="color: rgb(0, 153, 255);">2.1 Installing the
software</u>
         <u style="color: rgb(0, 153, 255);">2.2 Creating a New
Project</u>
             <u style="color: rgb(0, 153, 255);">2.2.1 Project
Templates</u>
             <u style="color: rgb(0, 153, 255);">2.2.2
customizing settings</u>
         <u style="color: rgb(0, 153, 255)">2.3 Exploring the
Interface</u>
             <u style="color: rgb(0, 153, 255);">2.3.1 Toolbar
Features</u>
             <u style="color: rgb(0, 153, 255);">2.3.2 Panel
Layout</u>
                <u style="color: rgb(0, 153, 255)">2.3.2.1
Docking Panels</u>
                <u style="color: rgb(0, 153, 255)">Tabbled
Interface</u>
      <u style="color: rgb(0, 153, 255)">Part3: Advanced
Topics</u>
         <u style="color: rgb(0, 153, 255)">3.1 Woking with
plugins</u>
             <u style="color: rgb(0, 153, 255)">3.1.1 Installing
Plugins</u>
             <u style="color: rgb(0, 153, 255)">3.1.2 Plugins
Configuration</u>
         <u style="color: rgb(0, 153, 255)">3.2 customizing the
UI</u>
             <u style="color: rgb(0, 153, 255)">3.2.1 changing
themes</u>
```

8.Create a table to display a conference schedule. Each row corresponds to a time slot, and each column corresponds to a room. Some time slots might have multiple sessions running simultaneously in different rooms. Utilize rowspan and colspan attributes as necessary to accommodate this complex schedule. (use table attribute "cellpadding" to give extra padding in each table cell ).

```
-->
```

```
Time
 Room1
 Room2
 9:00 AM to 10:00 AM
 Keynote
 Session A
 Session B
 Session C
 Session D
 10:30 AM to 11:00 AM
 Section F
 12:00 PM to 1:00 PM 
 Lunch Break
 1:00 PM to 2:00 PM
 Session G
 Session H
 Session I
 Session J
 Session K
 Session L
 Session M
```