

Getting started with HTML and Emmet

Assignment

QUESTION 1. Write a simple program in HTML that displays the heading “I am happy to Learn Web Development” on the web browser?

ANSWER :

PROGRAM:

```
<html>
<head>

  <title>Document</title>
</head>
<body>
  <h1>I am happy to Learn Web Development </h1>

</body>
</html>
```

QUESTION 2:> Write a simple program in HTML, the webpage must contain the heading “Comments” and below the heading add some information about comments?

ANSWER :

PROGRAM:<html >

```
<head>

  <title>Document</title>
</head>
<body>
  <h1>ABOUT US</h1>
  <h6>
```

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</h6>

</body>

</html>

QUESTION 3:|> Write a short note on tags, elements, and attributes along with relevant examples?

ANSWER :

TAGS:

tags are the keywords on a web page that define how your web browser must format and display your web page. Almost all tags contain two parts, an opening, and a closing tag.

EXAMPLE:, <html> is the opening tag and </html> is the closing tag

ELEMENTS:

An HTML element is defined by a start tag, some content, and an end tag.

EXAMPLE: <h1> abc </h1>

ATTRIBUTES

HTML attributes are used to describe the characteristic of an HTML element in detail.

EXAMPLE:<style="color: blue">CODE</style>

QUESTION 4: List out any 3 tags we learned in this module and give a brief explanation about the tags?

ANSWER :

1.table tag - <table>

**2.list tag - **

3.anchor tag - <a>

1.table tag - <table>

- Table tag is use to create table to display the information on the web page for an user in a tabular form
- <th>,<tr>.<td>These are few tags which are together used to create a table
- <th> - is used for table heading
- <tr> - is used for table row

- `<td>` - is used for table data and the data is given in this tag

2.list tag - ``

- List tag is used to create a list to display the information on the web page for an user
- There are 3 types of lists in HTML they are
 - 1.ordered list - ``** - here the data is set in an ordered way by displaying the numerical symbols, alphabet etc before the data
 - 2.unordered list - ``** - here the data is set in an ordered way by displaying the bullets, disc etc before the data
 - 3.description list - `<dl>`** - this tag is used for giving the data with its description

3.anchor tag - `<a>`

- An anchor is a piece of text which marks the beginning and/or the end of a hypertext link. The text between the opening tag and the closing tag is either the start or destination (or both) of a link

QUESTION 5. What is emmet? List some of the advantages emmet offers?

ANSWER :

EMMET: Emmet is a free add-on for a text editor. It allows to type shortcuts that are then expanded into full pieces of code for a developer.

Advantage of EMMET:

- Saves a lot of time.
- Increase productivity.
- Efficient Programming.

QUESTION 6.Using emmet create another webpage similar to questions 1 and 2?

ANSWER :

PROGRAM:

```
<html>
<head>

  <title>Document</title>
</head>
<body>
  <h1>sigma 2.0 batch </h1>
  <h2>introduction</h2>
  <h6>
```

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</body>
</html>

QUESTION 7 Explain in brief about the nesting operators in emmet?

ANSWER :These nesting operators help to create structured and hierarchical code quickly and effectively in Emmet. Few nesting operators are given below.

- 1. Child ('>'):** The child operator selects elements that are direct children of another element.
- 2. Sibling ('+'):** The sibling operator selects elements that are siblings of a previous element.
- 3. Climb Up ('^'):** The climb up operator allows you to move up the hierarchy and select an ancestor element.
- 4. Multiplication ('*'):** The multiplication operator duplicates an element a specified number of times.

QUESTION 8. build a simple webpage using any 2 emmet abbreviations and above the elements mention the emmet abbreviation using HTML comments?

ANSWER :

PROGRAM:

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

    <title>Document</title>
</head>
<body>
    <!--table>tr*2>td*2-->
    <table>
        <tr>
            <td>1</td>
            <td>2</td>
        </tr>
        <tr>
            <td>pw</td>
```

```
<td>skills</td>
</tr>
</table>

<!--div>h1^p-->
<div>
  <h1>my world</h1>
</div>
<p>lorem39</p>

</body>
</html>
```

QUESTION 9. What are self closing tags? Write a brief note on meta tags?

ANSWER :Self-closing tags: Self-closing tags in HTML are tags that do not require a closing tag. They are used for elements that do not have any content nested within them. Instead of having an opening tag and a separate closing tag, self-closing tags are written as a single tag with a forward slash before the closing angle bracket, like this: ``<tag />``.

meta tags: meta tags are HTML elements used to provide metadata about an HTML document. They are placed within the ``<head>`` section of an HTML document and do not require a closing tag. Meta tags provide information such as the character encoding, viewport settings, keywords, and description of the webpage. They are crucial for search engine optimization (SEO) and enhancing the visibility of the webpage in search results.

QUESTION 10 What are global attributes?List any 5 global attributes?

ANSWER :Global attributes in HTML are attributes that can be used with any HTML element. They provide common functionalities and behaviors to elements across different tags. Here are five examples of global attributes:

1. class
2. id
3. style
4. title
5. data