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Section : CSE 'B'

Subject : Web development and its Applications

Subject code : 18CS63

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INTERNAL ASSESMENT - 1

PART- A

2.a.

If Mr. Sam is creating his first web page and wants me to recommend him softwares that have basic and advanced knowledge of HTML tags, I would recommend him the following softwares,

    i) Visual studio code

    ii) google chrome.

For Mr. Sam to create a web page, he requires a text editor to create the HTML script and later to run the script or view the webpage he would require an search engine source software. like mozilla firefox or google chrome.

VISUAL STUDIO CODE:
    Visual studio code also known as

VsCode is an Integrated Development Environment (IDE) with following functionalities,

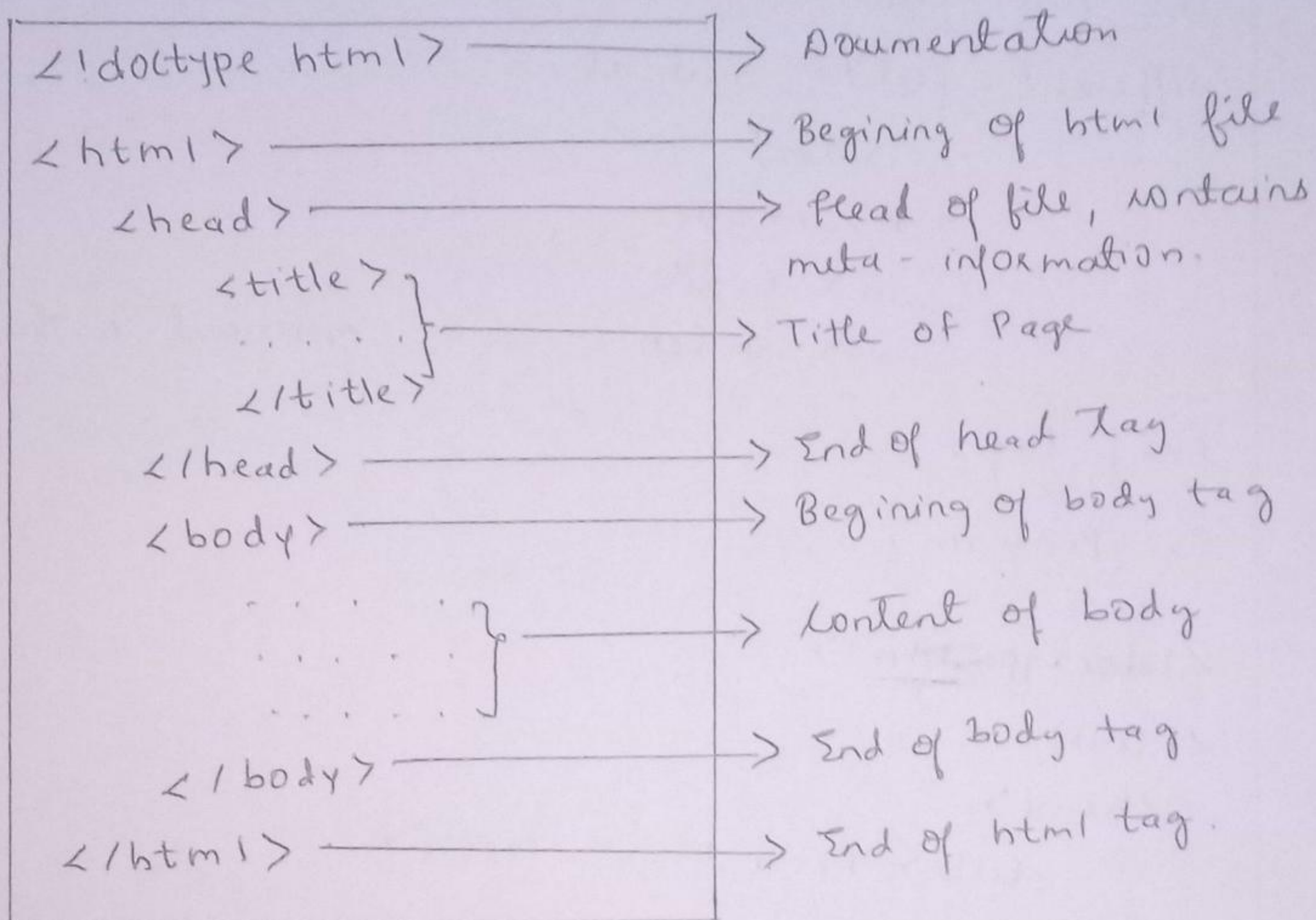a) Visual studio code has a feature that provide suggestions while typing, this can help Mr. Sam to save time.

b) Visual studio code has Text wrap feature which allows the user an end Tag whenever a tag is opened.

c) Visual studio code also provides Integrated command line arguments which can help him rectify the errors.

d) Visual studio code has a colour coding approach, if there is some mistake during the creation of web document, it can be spotted easily.

e) And the most important feature is that it is prettier, easy to understand and operate on, flexible and user friendly.

SIGN - Aqueab@

2.b. STRUCTURE OF HTML :

```
<!doctype html>  ─────────→ Documentation

<html>  ───────────────────→ Begining of html file

    <head>  ──────────────→ Head of file, contains
                             meta - information.
        <title>
        . . . . . .  }─────→ Title of Page
        </title>

    </head>  ─────────────→ End of head Tag
    <body>  ──────────────→ Begining of body tag

        . . . . . .
        . . . . . .  }─────→ Content of body
        . . . . . .

    </body>  ─────────────→ End of body tag
</html>  ─────────────────→ End of html tag.
```

<!doctype html> : This field specifies which version of html is being used. The html doctype represents html version 5, the latest latest version.

<html> : The begining of html file, all the data included within are part of html file.

<head> : This field contains meta-data information of the html file, like title, style sheets link, resolution, charset. etc, its hidden other that title.

<title> : This field consists of title of the web page, this name is viewed on the web page at the title bar.

\<body\> : The data included within this is the one that is viewed on the web page. All The different fields such as

      i\> text

      ii\> image

      iii\> audio

      iv\> video   are   enclosed within this

body tag.

Eg Program:

```
<!doctype html>
<html>
  <head>
      <title> First Page </title>
  </head>
  <body>
      <h1> FIRST HEADING <h1>
    <p> First paragraph </p>
    <p> Second paragraph </p>
    <img src=" picture .jpeg" alt="PICTURE" width=
       25.1. height= 25.1./>
  </body>
</html>
```

THE \<link\> TAG:

   i\> The \<link\> tag is a meta-informative Tag enclosed within the \<head\> element, it is

basically used to link external documents to an html document.

    ii) The <link> tag/element has two attributes of its own.

        a) rel

        b) ~~tfre~~ href

    iii) The ~~rel~~ ~~tag~~ is to specify which kind of document is being attached from external sources to a particular html document.

    iv) The ~~tag~~ href is to specify the absolute or relative path of the external source document to be added.

Eg:

```
<!doctype html>
<html>
  <head>
    <title> LINK TAG </title>
    <link rel="stylesheet" href=" css/style.css"/>
  </head>
  <body>
    <h1> FIRST HEADING </h1>
    <p>  FIRST PARAGRAPH </h1>
  </body>
</html>
```

The above html document is linked to and external source file styles.css which is a css style sheet.

PART- B

~~1 a~~

~~1 b~~

4.a.   CSS/ Styles.css

```
body {
    ~~font~~; color :    # 00ff00;
    background -color : # f0f0f;
}
h1 {
    ~~text~~ color: # of of of;
    ~~font style: courier;~~
    font-family : courier;
}
```

HTML DOCUMENT:

```
<!doctype html>
<html>
  <head>
    <title>
        USING STYLE SHEETS
    <ltitle>
    ~~<style~~
    <link rel=" style sheet" href="" CSS/ styles.css" />
    <style>
    p {
        color : # 000000;
        font-family : verdana;
    }
```

```
        </style>
    </head>
    <body>
        <h1> USE OF CSS </h1>
        <p> CSS - stands for Cascading style sheets.
```
There are exclusively used in order to provide creative look to a web page by adding font colour, size, style, etc.
```
        <p>
    </body>
</html>
```

In the above html document we expect the paragraph to be of ~~font style verdand and~~ color to be #000000, but here as body tag consists of color ~~#oioioi,~~ #0 0f f00. it overrides the paragraph css style, to solve this. we use !important.

```
<!doctype html>
  <html>
    <head>
        <title>
            USING STYLE SHEETS
        </title>
        <link rel = " stylesheet " href = " CSS/styles.css"/>
        <style>
          p {
              color: # 000000 !important;
              font-family: verdana;
          }
```

```
        </style>
    </head>
    <body>
        <h1> USE OF CSS </h1>
        <p> CSS - stands for cascading style sheets
```

There are exclusively used in order to provide creative look to a web page by adding font colour, size, style, etc.

```
        </p>
    </body>
</html>
```

Now the paragraph tag will have the color #000000.

H.b
```
<!-- BASIC HTML CODE -->
<!doctype html>
<html>
    <head>
        <title>
            ARROW
        </title>
        <style>
        .header 2
            color: green;
            font-family: Comic Sans MS;
            backgroud-color: #000000;
```

```
        . nav {
            color: blue;
            font-family: Arial;
            background-color: #0f000f;
        }
        . section {
            color: ~~red to powder~~ powder blue;

            font-family: Joker;

            background-color: #00ff00;
        }
    </style>
</head>

<body>
    <div class="header">
        <header>
            <h1> ARROW </h1>
            <p> The Arrow is an american
```
drama series in which a Billionare son
Oliver Queen returns back to his city named
starling and disguises himself as arrow To
pested his city from corruption and dangers.
```
            <p>
        </header>
    </div>
    <div class="nav">
        <nav>
```

```html
        <ol type='1'>
            <li> <a href="#A1"> ABOUT </a> <li>
            <li> <a href="#A2"> IMDB Rating </a> <li>
            <li> <a href="#A3"> Related links </a> <li>
        </ol>
    </nav>
</div>
<div class="section">
    <section>
        <h3> A1
        <h3 id='A1'> ABOUT </h3>
        <p> Arrow has 8 seasons starring
Stephen Amell, Emily Bett Richards, Caity Lotz. and.
The series helps us understand that Oliver was
lost on island called Lian Yu....
        </p>.
    </section>
    <section>
        <h3 id='A2'> IMDb Rating </h3>
        <p>  IMDb Rating :    8.9/10.
        </p>
    </section>
    <section>
        <h3 id='A3'> Related links </h3>
        <p> Netflix: <a href="www.netflix/Arrow.com">
            Arrow </a> </p>
    </section>
</div>
```

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```
<(body>
<Ihtml>
```

The above code consists of 3 HTML semantic elements.

<header> : The header elements is used to contain information of website to be viewed. to the viewer in a container format.

< nav> : The nav elements stands for navigation, it is html5 standard semantic used to store bookmarks as in navigate through the web page.

<section> : The section element is used to store information in the text, image, audio or video format. This element can contain so the <article> semantic within it.

No. of pages : 11

Questions attempted :

2.a , 2.b

4.a , 4.b