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Question # 1

A) Define HTML and write its general syntax?

HTML is the standard markup language for creating web pages.

- HTML stands for Hyper Text Markup Language.
- HTML describes the structure of a web page.
- HTML consists of a series of elements.
- HTML elements tell the browser how to display the content.
- HTML elements are represented by tags.
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on.
- Browser do not display the HTML tags, but use them to render the content of the page.

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SYNTAX :

```
<html >
  <head >
    <title > Page title </title >
  </head >
  <body >
    <h1 > This is a heading </h1 >
    <p > This is a paragraph. </p >
    <p > This is another paragraph. </p >
  </body >
</html >
```

B) Write html code related to link to another page (hyper link) in a web page.

```
<html >
  <body >

    <h2 > HTML Links </h2 >

    <p > <a href = "https://www.google.com/" > click here for google </a > </p >

    <p > <a href = "https://www.facebook.com/" > click here for facebook </a > </p >

  </body >
</html >
```

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a) Write html code headings tags in a web page.

```
<html>  
<body>
```

```
<h1> This is heading 1 </h1>  
<p> My name is Sana. </p>  
<hr>
```

```
<h2> This is heading 2 </h2>  
<p> i am from dir. </p>  
<hr>
```

```
<h3> This is heading 3 </h3>  
<p> i am software engineer. </p>  
<hr>
```

```
<h4> This is heading 4 </h4>  
<p> i live in hayatabad </p>
```

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

b) Write html code related to comment in a web page.

```
<html>  
<body>
```

```
<!-- This is about Sana life style -->  
<p> My name is Sana ----- and  
that my whole story. thanks. </p>
```

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

c) Write html code related to tag for span in a web page.

```
<html>  
<body>
```

```
<h1> My information </h1>
```

```
<p> my name is <span style="color: red;  
font-weight: bold"> sans </span>  
my father is <span style="color:  
darkolivegreen; font-weight: bold">  
from dir </span> </p>
```

```
<p> I live in <span style="color: blue;  
font-weight: bold"> hayatabad </span>  
</p>
```

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

Question # 2

A) Define CSS and how it is used in html pages?

CSS stands for Cascading Style Sheets. CSS is the language for describing the presentation of web pages, including colors,

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layout and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small ~~see~~ screens or printers. CSS is independent of HTML and can be used with any XML-based markup language.

— CSS can either be attached as a separate document or embedded in the HTML document itself. There are three methods of including CSS in an HTML document.

Inline Styles — using the style attribute in the HTML start tag.

Embedded styles — using the <style> element in the head section of a document.

External style sheets — using the <link> element, pointing to an external CSS file.

B) Write briefly about the inline types of CSS.

INLINE STYLE :

Inline style are used to apply the unique style rules to an element by putting the CSS rules directly into the start tag. It can be attached to an element using the

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style attribute.

The style attribute includes a series of CSS property and value pairs. Each "property: value" pair is separated by a semicolon (;), just as you would write into an embedded or external style sheets. But it needs to be all in one line i.e. no line break after the semicolon.

Example:

1) `<h1 style="color: red; font-size: 30px;">`
This is a heading `</h1>`

2) `<p style="color: green; font-size: 22px;">`
This is a paragraph. `</p>`

3) `<div style="color: blue; font-size: 14px;">`
This is some text content. `</div>`

Using the inline styles are generally considered as a bad practice. As style rules are embedded directly inside the HTML tag, it causes the presentation to become mixed with the content of the document; which makes the code hard to maintain and negates the purpose of using CSS.

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Question # 3

A) Write the general syntax of decision "Switch Statement" in ~~php~~ PHP with suitable examples.

SYNTAX:

```
Switch (n) {  
    Case Label 1:  
    Code to be executed if n = Label 1;  
    break;  
    Case Label 2:  
    Code to be executed if n = Label 2;  
    break;  
    Case Label 3:  
    Code to be executed if n = Label 3;  
    break;  
    ...  
    default:  
    Code to be executed if n  
    is different from all labels;  
}
```

Example :

```
<?php  
$favcolor = "red";  
  
Switch ($favcolor) {  
    Case "red";  
    echo "Your favorite color is red!";  
    break;
```

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case "blue":

```
echo "Your favorite color is blue!";  
break;
```

case "green":

```
echo "Your favorite color is green!";  
break;
```

default:

~~echo "Your f~~

```
echo "Your favorite color is neither red, blue,  
nor green!";  
}
```

?>

B) Write the general syntax of "do while" loop in PHP with suitable examples.

SYNTAX :

```
do {  
    code to be executed;  
} while (condition is true);
```

Example :

```
<?php  
$x = 1;  
do {  
echo "The number is: $x <br>";  
$x++;
```


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```
} while ($x <= 5);  
? 7
```