

Assignment Theory

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Section:0-4

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Answer to the question no. 1:

A difference between HTTPS and HTTP is-

HTTP stands for Hypertext transfer protocol. and HTTPS stands for Hypertext transfer protocol secure.

HTTP operates at the application layer, while HTTPS operates at the transport layer.

HTTP is unsecured while HTTPS is secured. HTTP sends data over port 80 while HTTPS uses port 443.

These are the differences between HTTP and HTTPS.

Answer to the question no. 2:

An RFC stands for Request for Comments. It is a pure technical document published by the Internet Engineering Task Force (IETF).

Request for Comments are mainly used to develop a "standard" network protocol, a function of a network protocol or any feature which is related with network communication. In many standards track documents several words are used to signify the requirements in the specification. An RFC specifies an Internet Best Current Practices for the internet Community, and requests discussion and suggestions for improvements. So that RFC is required.

Answer to the question no. 3:

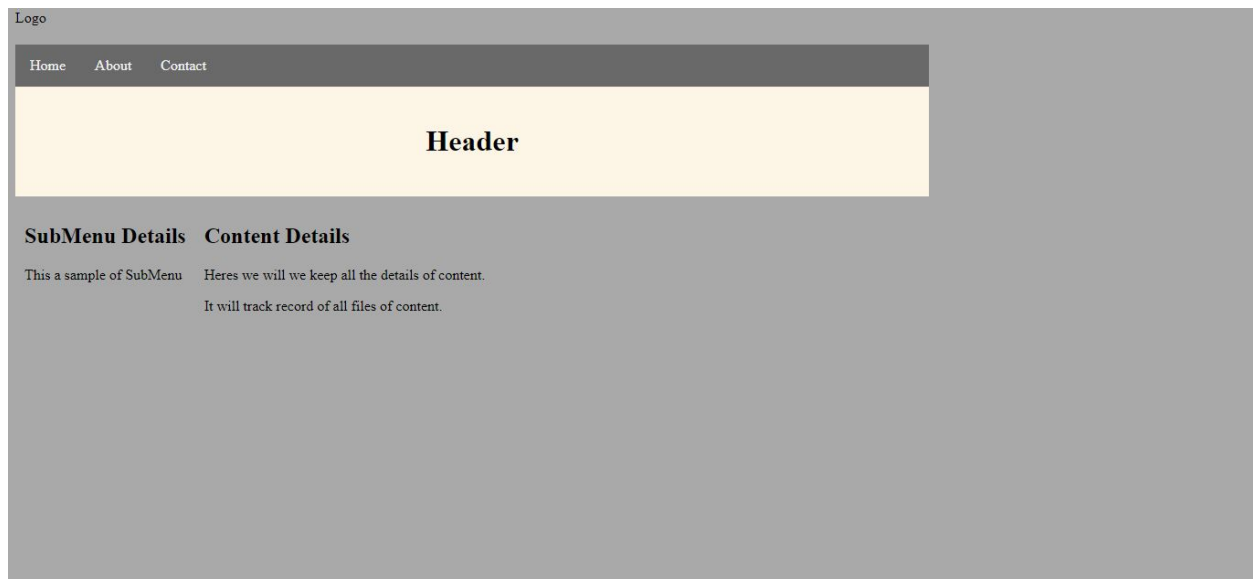
CSS or Cascading Style Sheets is the language for describing the presentation of Web pages, including colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. For adding some standard requirements also applying in CSS users can make a web page more interactive. So that, I think css required some standards for making web pages presentable.

Answer to the question no. 4:

JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. JavaScript gives web pages interactive elements that engage a user, where HTML and CSS are languages that give structure and style to web pages. JavaScript is essentially a programming language. Using javascript by Web browsers to create a dynamic and interactive experience for the user. Most of the functions and applications that make the Internet indispensable to modern life are coded. JavaScript is comparatively fast for the end user and it extends functionality to web pages. By using Javascripts we can create websites, web applications, server applications, web server, games, mobile apps etc. So we can say, javascript is an essential programming language. we can use JavaScript for every platform for making our life easiest.

Answer to the question no. 5:

Code output:



Code:

index.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<link rel="stylesheet" href="style.css" />
<title>Simple Layout</title>
```

```

</head>
<body>
<div style="margin-bottom: 20px;">
Logo
</div>
<div class="nav">
<a href="#">Home</a>
<a href="#">About</a>
<a href="#">Contact</a>
</div>
<div class="header">
<h1>Header</h1>
</div>
<div class="row">
<div class="column SubMenu details">
<h2>SubMenu Details</h2>
<p>This a sample of SubMenu</p>
</div>
<div class="column content">
<h2>Content Details</h2>
<p>Heres we will we keep all the details of content.</p>
<p>It will track record of all files of content.</p>
</div>
</div>
</body>
</html>

```

style.css:

```

body {
  background-color: darkgray;
  width: 1000px;
}

```

```

.logo {
  height: 10px;
  width: 10px;
}

```

```
.header {  
    background-color: oldlace;  
    padding: 20px;  
    text-align: center;  
}
```

```
.nav {  
    overflow: hidden;  
    background-color: dimgrey;  
}
```

```
.nav a {  
    float: left;  
    display: block;  
    color: #f2f2f2;  
    text-align: center;  
    padding: 14px 16px;  
    text-decoration: none;  
}
```

```
.nav a:hover {  
    background-color: #ddd;  
    color: black;  
}
```

```
.column {  
    float: left;  
    padding: 10px;  
}
```

```
.column.SubMenu details {  
    width: 20%;  
}
```

```
.column.Content {  
    width: 75%;  
}
```

