

THEORY ASSIGNMENT

AKASH ROY

ID: 172-15-9967

Ans to the question 1:

HTTP: It stands for Hypertext Transfer Protocol. It is used to access data on the WWW (World Wide Web). It is a protocol which governs the communication between the client and server.

HTTPS: Hypertext Transfer Protocol Secure (HTTPS) is a variant of the standard web transfer protocol (HTTP) that adds a layer of security on the data in transit through a secure socket layer (SSL) or transport layer security (TLS) protocol connection.

Ans to the question 2:

RFC: It stands for Request For Comments. It is a document that describes the standards, protocols, and technologies of the Internet and TCP/IP. Requests for Comments are produced in a non-reflowable document format, but work has begun to change the format to a reflowable one so that documents can be viewed in devices with restricted size.

Ans to the question 3:

CSS: It stands for Cascading Style Sheets. I hope CSS required some standard because using CSS we can make a web page more interactive and more lightweight. If we do not apply a standard form of CSS on the web page then the webpage does not show much better. Some standard rules also apply for CSS and now a days many new functionalities also added in CSS. So I hope that CSS also required some standard.

Ans to the question 4:

JavaScript: It is an essential programming language. Nowadays we can make any web application and also any mobile application using JavaScript. There are many frameworks or tools to use JavaScript in separate platforms. In early times JavaScript is used for only front end development on the web but nowadays it is used every platform. Now we can make backend service by Node.js which is a tool of JavaScript. We can use React.js, Angular.js for frontend development. We use Node.js or Deno framework for backend or server-side development. We can also use React-native which is another JavaScript framework for cross-site mobile app development both Android and iOS. We can also make any desktop application by

JavaScript. The main purpose of using JavaScript in web application development .we can not make any web application more functionality without using JavaScript. For web applications, we can use a jQuery library in the frontend but now the more popular Framework is react JS which developed by Facebook. nowadays we can use JavaScript in every platform We can also make our programming code smaller using the es6 version of JavaScript. we can also solve many big problems by JavaScript so, In the end, we can see that JavaScript is everywhere and we can use JavaScript for every platform.

Ans to the question 5:

Designing a layout:

```
<!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>Layout</title>
</head>
<body>
<div style="margin-bottom: 20px;">
Logo
</div>
<div class="topnav">
<a href="#">Link</a>
<a href="#">Link</a>
<a href="#">Link</a>
</div>
<div class="header">
<h1>Header</h1>
```

```
</div>

<div class="row">

<div class="column submenu">

<h2>Submenu</h2>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>

</div>

<div class="column content">

<h2>Content</h2>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas sit amet pretium
urna. Vivamus venenati
convallis.</p>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas sit amet pretium
urna. Vivamus venenatis convallis.</p>

</div>

</div>

</body>

</html>

style.css:

body{

background-color: darkgray;

width: 1000px;

}

.logo{

height: 10px;

width: 10px;

}

.header {

background-color: #f1f1f1;

padding: 20px;

text-align: center;

}
```

```
.topnav {  
  overflow: hidden;  
  background-color: #333;  
}  
  
.topnav a {  
  float: left;  
  display: block;  
  color: #f2f2f2;  
  text-align: center;  
  padding: 14px 16px;  
  text-decoration: none;  
}  
  
.topnav a:hover {  
  background-color: #ddd;  
  color: black;  
}  
  
.column {  
  float: left;  
  padding: 10px;  
}  
  
.column.submenu {  
  width: 20%;  
}  
  
.column.content {  
  width: 75%;  
}
```