



Daffodil
International
University

Assignment

Assignment: Theory-1
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1. Write short notes on HTTPS vs HTTP?

Answer: The differences between HTTPS and HTTP are given below :-

HTTP: Hypertext transfer protocol. It's a protocol for Communicate or transfer data between two systems. When we enter http:// in our address bar in front of the domain, it tells the browser to connect over HTTP. HTTP uses TCP (Transmission Control Protocol), generally over port 80, to send and receive data packets over the web. To put it simply it is a protocol that's used by a client and server which allows us to communicate with other websites. The client sends a request message to an HTTP server (after the TCP handshake) which hosts a website, the server then replies with the response message.

HTTPS: Hypertext transfer protocol secure. It is a protocol for securing communication between two systems. It is the secure version of HTTP. When you enter https:// in your address bar in front of the domain, it tells the browser to connect over HTTPS. HTTPS also uses TCP (Transmission Control Protocol) to send and receive data packets, but it does so over port 443, within a connection encrypted by Transport Layer Security (TLS).

2. Why is RFC required?

Answer: RFC means Requests For Comment. RFC (stands for Request For Comments) 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. RFC is a process for requesting outside input concerning disputes, policies, guidelines or article content. RFCs are a way to attract more attention to a discussion about making changes to pages or procedures, including articles, essays, guidelines, policies, and many other kinds of pages. It uses a system of centralized noticeboards and random, bot-delivered invitations to advertise discussions to uninvolved editors. An RFC (Request for Comments) is a pure technical document published by the Internet Engineering Task Force (IETF). Request for Comments (RFCs) are mainly used to develop a "standard" network protocol, a function of a

network protocol or any feature which is related with network communication. so I think it required in different sectors.

3.CSS doesn't require any standard - Justify.

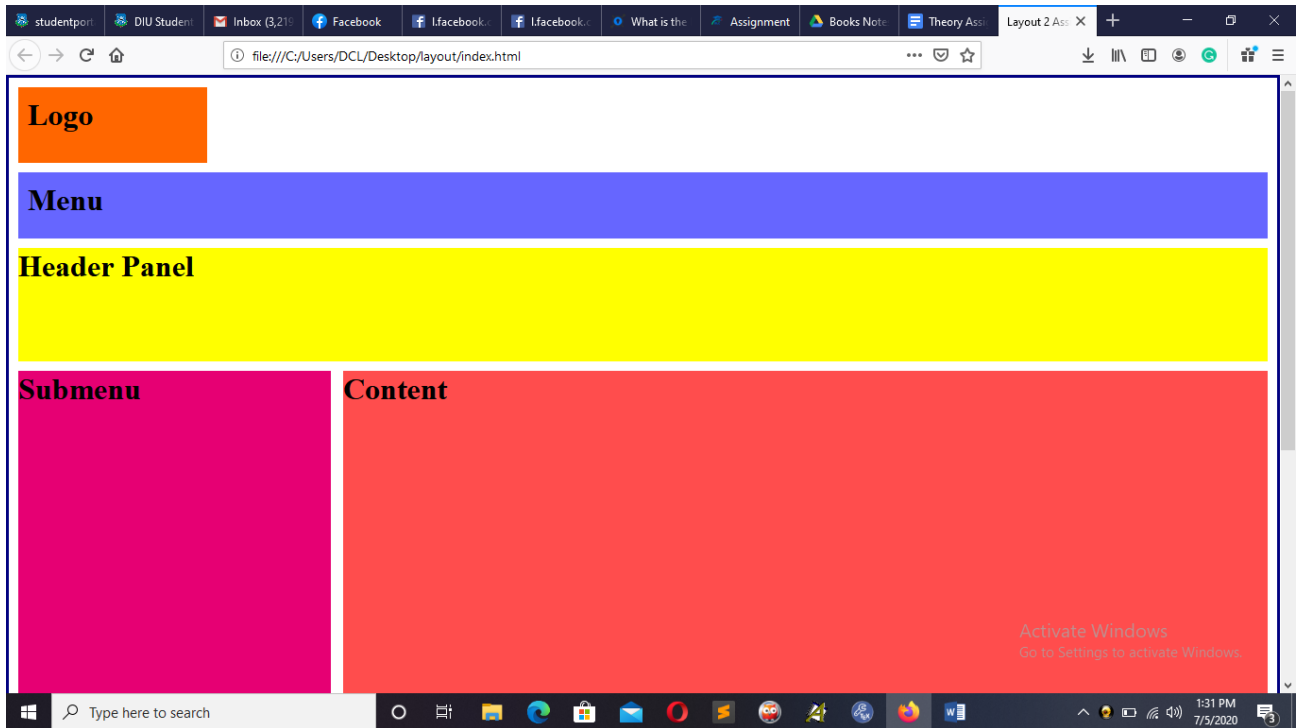
Answer: CSS stands for Cascading Style Sheets. I hope CSS required Some Standard because using CSS we can make a web page more interactive and more lightweight. If we do not apply a standard form of CSS on the web page then the webpage does not show much better. Some standard rules also apply for CSS.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

4.JavaScript is essentially a programming language-provide your view.

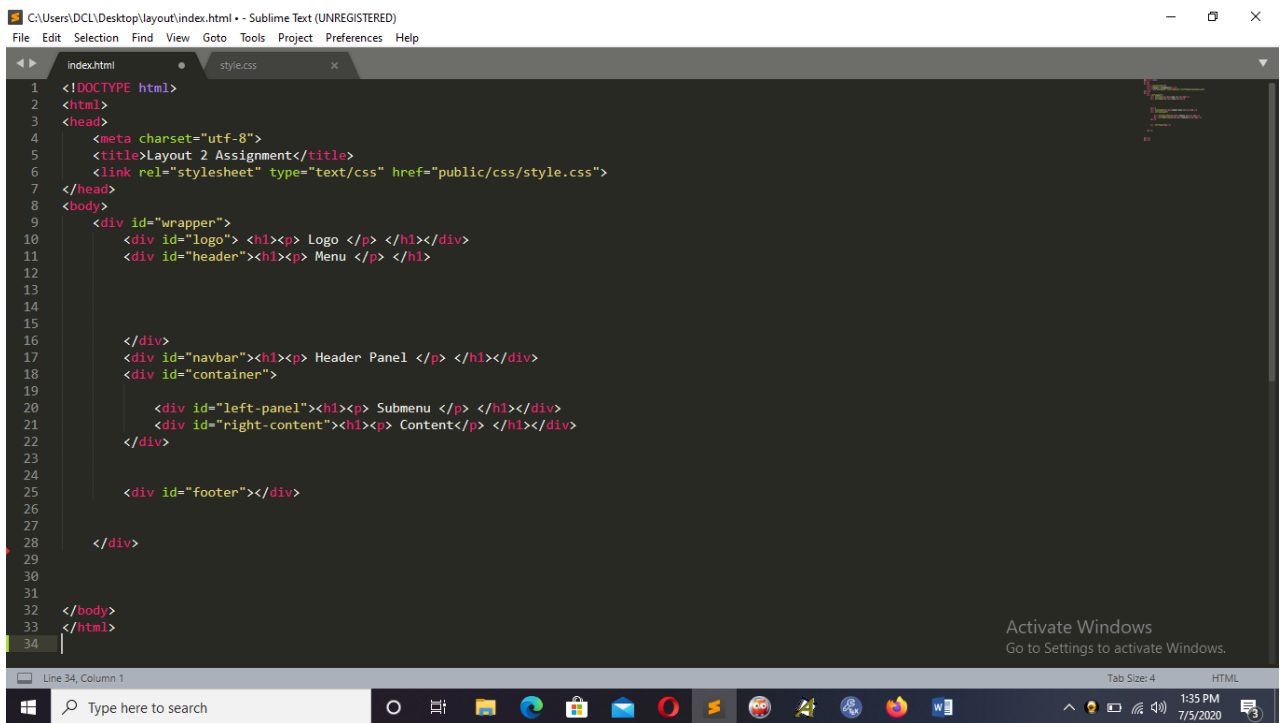
Answer: JavaScript is an essential a programming language. Nowadays we can make any web application and also any mobile application using JavaScript. There are many Frameworks or tools to use JavaScript in separate platforms. In early times JavaScript is used for only front end development on the web but nowadays it used every platform. Now we can make backend service buy 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 used 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.

5. Design the following layout using HTML and CSS:

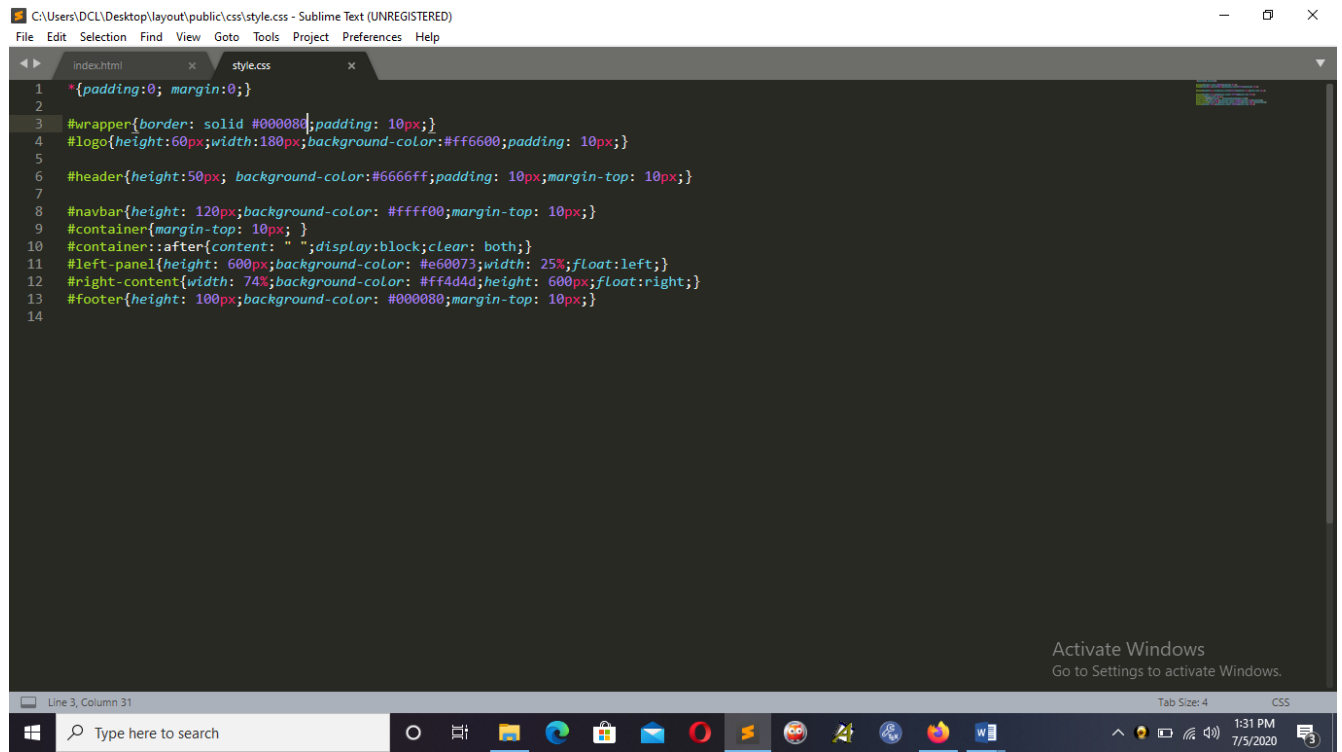
Design part:



HTML code part:



CSS code part:



The screenshot shows a Sublime Text editor window titled "C:\Users\DCU\Desktop\layout\public\css\style.css - Sublime Text (UNREGISTERED)". The editor has two tabs open: "index.html" and "style.css". The "style.css" tab is active, displaying the following CSS code:

```
1 *{padding:0; margin:0;}
2
3 #wrapper{border: solid #000080;padding: 10px;}
4 #logo{height:60px;width:180px;background-color:#ff6600;padding: 10px;}
5
6 #header{height:50px; background-color:#6666ff;padding: 10px;margin-top: 10px;}
7
8 #navbar{height: 120px;background-color: #ffff00;margin-top: 10px;}
9 #container{margin-top: 10px; }
10 #container:after{content: " ";display:block;clear: both;}
11 #left-panel{height: 600px;background-color: #e60073;width: 25%;float:left;}
12 #right-content{width: 74%;background-color: #ff4d4d;height: 600px;float:right;}
13 #footer{height: 100px;background-color: #000080;margin-top: 10px;}
14
```

The editor's status bar at the bottom indicates "Line 3, Column 31" and "Tab Size: 4 CSS". The Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons. The system clock shows "1:31 PM 7/5/2020". An "Activate Windows" watermark is present in the bottom right corner of the editor window.