

CSI3140 - Tutorial01

1.7d: The **C++** programming language was developed by Bjarne Stroustrup in the early 1980s at Bell Laboratories.

1.8:

- A. True
- B. True
- C. True
- D. False, because
 - Client-side scripting is used to connect a browser to a web server, validate user input, enhance web pages, and interact with the browser.
 - Client-side scripting is browser-dependent.
 - It has some limitations, such as not being able to access the server's file directory structure.

1.9a: **IPv6** is the next-generation Internet Protocol that features built-in security and a new addressing scheme, significantly expanding the number of addresses available.

1.9b: HTML documents normally contain **hyperlink** , which, when clicked, load a specified web document.

1.9c: A **URL** contains information that directs a browser to the resource that the user wishes to access; **Web servers** make such resources available to web clients.

1.11:

- Client Side Programming
 - It has wide range of programmatic capability
 - It is used to validate the user input
 - It has browser dependency limitation
 - Restricted to access local hardware and file system for security
 - Does not access client side software
 - It will not count number of web page hits
 - It is used to communicate with server
- Server Side Programming
 - There are no restrictions
 - It is not used to validate the user input
 - It does not have browser dependency limitation
 - It has wide range of programmatic capability
 - It is used to communication with client

- It has access to server side software
- It is used to count number of web page hits

1.13:

- Cost Saving:
 - The cost of hardware and upgrades will be reduced thanks to cloud computing. It is not necessary to pay the license fee for multiple users. It will be more affordable in cloud computing. It will make payments to organizations very affordable.
- Storage:
 - It provides a large amount of storage in cloud computing. There is no need to be concerned about memory space. There is no need to increase the current storage space.
- Reliability:
 - When compared to in-house infrastructure, cloud computing is more dependable. If a server fails, all of the data stored on it can be easily transferred to other servers.

1.14:

- Web services are made up of programming standards as well as messaging protocols. It is a reusable and discrete software component that users access programmatically. By configuring JDeveloper, users can create web applications that use existing web services and other information forms. Two online services Web services from Google Maps and Twitter By incorporating these two web services into user-created web applications such as TweetMap. This user can create an online map that shows the locations of people who are tweeting from all over the world.
 - The web application will access data from the Twitter web service, such as user information, and save necessary information, primarily people's locations. The people's locations can be entered into Google Maps. Google Maps creates a map that displays the current location of people who are tweeting.

1.16:

- Web2.0 companies use the web as a platform to create community and collaborative sites. Users can create, update, share, and remix content on this platform based on their needs. Craigslist is the most popular Web 2.0 business. It's a centralized network for online communities to post classified ads. This website is divided into sections such as jobs, housing, personal, community, and so on. This website allows for community participation as well as user interaction. The Web 2.0 technology will provide this. Users can freely post advertisements on this website. He can create, update, share, and remix advertisements based on user requirements. Advertisements can be categorized and displayed in the appropriate sections. The website is simple to navigate.