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Questions

1. List any web authoring tools you would require when publishing a website.

Text editors, terminals.

2. Explain 4 advantages and limitation of HTML over other web authoring tools.

Advantages

- Easy to learn and use. It is the first one a person will go through when learning web development because it has simple tags and no hectic of case sensitivity in html
- Html is free. It is free of cost, and there is no need to purchase specific software as compared to others.
- It is supported by all other browsers. Websites written in Html easily show up in all web browsers
- It is easy to edit because it does not require special interfaces as compared to others

Disadvantages

- Html videos, images, audios are limited
- It lacks security against hacker and spammers
- Too much coding is needed to create simple webpages
- It is capable of creating static websites and webpages and to create dynamic websites it is mandatory to use and implement programming language like python and java.

3. The internet provides a variety of services that are compatible with TCP/IP protocol suite

Describe five of these services.

- The client or server model. The server is the manager of the internet resources while the client is the service user requesting information from the server
- SMTP. It is intended to transfer email messages across the network and uses the outgoing server to do so.
- Network File System. It is a service that enables hosts across the internet to share file resources transparently.
- Domain Name System. Is used to resolve IP addresses to names that are understandable to internet users
- Post office protocol. It's a service that enables internet users to receive emails from incoming mail server.

4. Explain three roles of internet service providers.

- May provide software packages such as browser, email accounts and webpages
- To educate customers about internet security threats
- To provide authentic and authoritative naming and routing information to the internet users.

5. Explain how the following website requirements may be achieved

Ease of navigation. Most online shoppers are goal oriented and by just browsing they are trying to achieve a given goal, and to achieve this one must design a website to help visitors achieve their quest

Effectiveness. Can be achieved by creating hypertext links to help users access websites

Attractiveness. Can be achieved by creating fonts, adding colors and images

Efficient. To make information efficient to the user different we developers can create multiple webpages for users to access