

Muhammad Affan Khan

P19-0045

5AB

BSCS

Assignment #1

①

Q1 What are web cookies?

Ans A web cookie is also known as internet cookie, is a text file that contains information that the website needs to store relating to a particular visitor. The file is stored onto user machine, and it can ~~only~~ be deleted by the user.

Q1 b) Discuss the importance in terms of Computer Network?

Ans As the purpose of cookie is to prepare customized web pages and to have information for site login for you. A user visits a website, then the cookies get saved on the browser, so that if the website is accessed by the same user after some days, it will know about the user. We can save a lot of network resources using cookies. It also prevents the network attacks.

(2)

Q1c) What are advantages and disadvantages of cookies?

Advantages

- Ans.
- Cookies are simple to use and implement.
 - Using cookies, it is not compulsory to enter the info again and again.
 - They do not need any server resources.
 - They are domain specific.
 - Cookies can be configured to expire when session ends.

Disadvantages

- Cookies are limited in size.
- Cookies are not secure.
- Encrypting is easy whereas decrypting is difficult in cookies.
- Cookies can be disabled on their web browsers.

Q2a) What is Web Cache/Proxy Server.

- Ans.
- Web cache or proxy server is basically an activity, in which the data is stored for the purpose of reusing. For example, web server makes a copy of its web

(3)

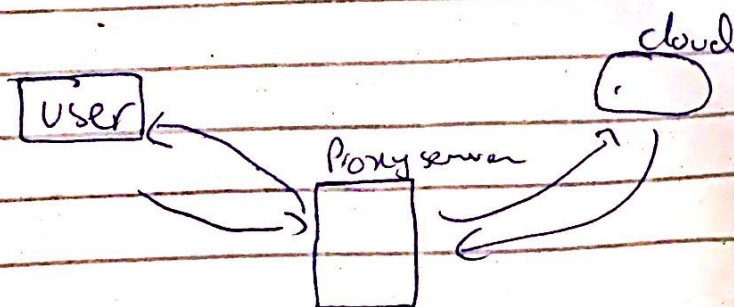
page. For the first time, user visits the page, for the next time user requests for the same page, after this, a cache will serve a copy.

Q2b) Why are they used?

Ans If we are using an improper web cache, everytime a user makes a request to the original origin of server. Proxy servers are used to faster the responses and requests processes. After we config our browsers, the requests are directed first to this store, then these objects are obtained.

Q2c) How it works?

Ans Whenever we are downloading anything from the origin of server. One of its copy is stored in the web cache for a set of time. If the user requests to download the same ~~thing~~ content again, the cache will send the stored content.



(4)

Q2d) Disadvantages and advantages?

Ans Web cache supports us the faster delivery of the web objects. Which reduces the load on the website server.
Disadvantages:-

It occupies more memory on our disk, if we visit different sites, cache will occupy the more memory, and your disks memory will fill up.

Q3, What are VPNs?

Ans This stands for virtual private network. VPN changes our IP address and encrypts our data, which proxy can not encrypt. In the whole internet, VPN creates a virtual path which is just for us, none other can access it. It is much secure than proxy. By using VPN, we can access blocked website for the specific region.