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Course: Computer Networks

Assignment no 01:-

Question no 01:-

a) **Web cookies:-**

A web cookie, also known as a internet cookie or browser cookie, is a text file that contains information that the cookie needs to store relating to a particular visit or visitor. The file is stored on the user's machine can be deleted by the user, and can only be read by the user of the website that created the cookie.

Note:-

Without cookies, a website wouldn't remember our settings or logins, our preferences or what content we have already seen. Also, our information cannot pass from one pageview to another.

Example:- If Facebook didn't use cookies to remember logged in users that user would have to enter username & password again and again.

b) <u>Importance in terms of computer</u>
<u>Network</u>:-

Cookies are basically used to identify
the users and web pages or to have
a site login information. It is
simple used for tracking based
purpose.

<u>Example</u>:-
we used flex portal, if this flex
website did not use cookies to
remember login passwords, then we
have to give login information
every time when page refreshes.

c) Advantages

* easy to use.
* occupy less memory,
don't require any server
resources.
* Domain specific.
* we configure cookies
to expire when session
ends.
* persists a much longer
period of time as compared
to other session state.

Disadvantages

* user candelete
cookie.
* large and
complex data
not allowed.
* difficult to
decrypt.
* limitations in
sizes.
* They are not
secured.

Question no 02:-

a) **Web cache / Proxy server:-**

Web cache or proxy server is like to store data. It is cached or stored first time, user visit page, next time used store the page. The store is located (between)× within the networks that renieve all http or https requests one behalf of originated web server.

b) **Usage:-**

Proxy server provides varying levels of functionality, security and privacy depending upon your case you needs or policy and web cache stored the first time user visit page or requests, a cache will serve the copy, which helps keep the origin server from getting overloaded.

c) **Working:-**

Proxy server referred to intermediary because it goes between end users and the web pages they visit. when it connects to computer, it used an IP. Web cache works by catching Http responsing for requests according to rules.

d) Advantages and Disadvantages:

Web cache is faster delivery of web objects, reduces load on website server. It benefits the user. It will prohibits the more requests which save time. On the other hand proxy server enhance security, acts as a firewall between your system and internet. Its disadvantage tracking, cache data including passwords, security. Web cache disadvantage is occupied memory on your disk when you visit more websites.

Question no 03

VPNS:-

A Vpn (Virtual private network) is a service that both encrypts your data and hides your Ip address by bouncing your network activity through a secure chain to another server miles away. Simple words " your location is changed ", " you are private".

(you)   ⟹   VPN   ⟹   Internet, FB, Netflix

Corporate   Hackers   Government