2019BTECS00089

Name: Piyush Pramod Mhaske

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Practical No: 2

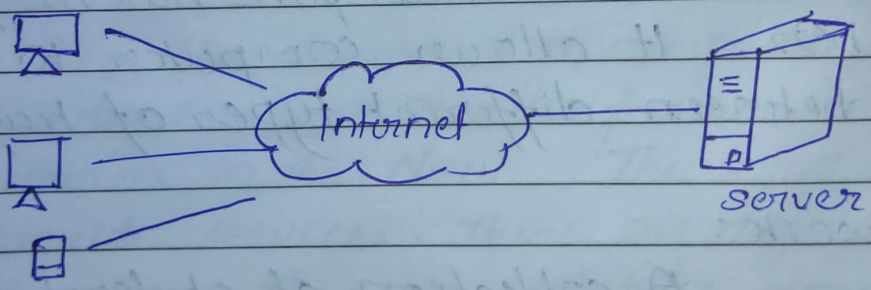
Problem statement: 1

1] Client-server architecture, Internet and world wide web.

① Client-server architecture:

Client server architecture is a computing model in which the server hosts, delivers and manages most of the resources and services to be consumed by the Client. Ex. Email

Here, many clients request and receive service from a centralized server.



② Internet:

Internet is nothing but a vast network that connects the computers all over the world. Through the internet people can share data, information and communicate from anywhere with an Internet connection.

Internet is network of connected computer that web works on.

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1] World wide web:

An information system on the internet which allows documents to be connected to other documents by hyper text links, enabling user to search for information by moving from one document to another.

2] Web browser and Webserver

① Web Browser: A web browser is application software for accessing the world wide web. When a user request a webpage from a particular website, the web browser retrieves the necessary content from a web server and then displays the page on the users device.

② Web server :- A web server is basically a computer that runs website. It's a computer program that distributes web pages as they are requisitioned. The basic objective of the webserver is to store process and deliver web pages to the user.

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Problem statement 2:

1) Hypertext: Hypertext is text which is not constrained to be linear. Hypertext is nothing but it is also text which contains links to other texts. Ex ~~Word~~, "facebook" links to the facebook page.

2) Hyperlink: A link from hypertext document to another location activated by clicking on highlighted coord and image.

3) HTTP: HTTP is hypertext transfer protocol is an application layer protocol. It is the foundation of the world wide web and is used to load webpages using the hypertext links. It is designed for communication between web browsers.

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4) HTTP status code with meaning

200 :- Ok → The request has succeeded.

300 :- Multiple choice :- The request has ~~succeeded~~ more than one possible responses.

400 :- Bad request :- The server could not understand the request due to invalid syntax.

500 :- Internal server error :
Internal problem happened that server can't handle

503 : Service Unavailable.
Server is not available to handle the requested request.

504 : Gateway Timeout.
Gateway server not getting response in time.