

Programming Laboratory - 3

Practical No. 02 : To distinguish client-server architecture, Internet, WWW, web browser and web servers.

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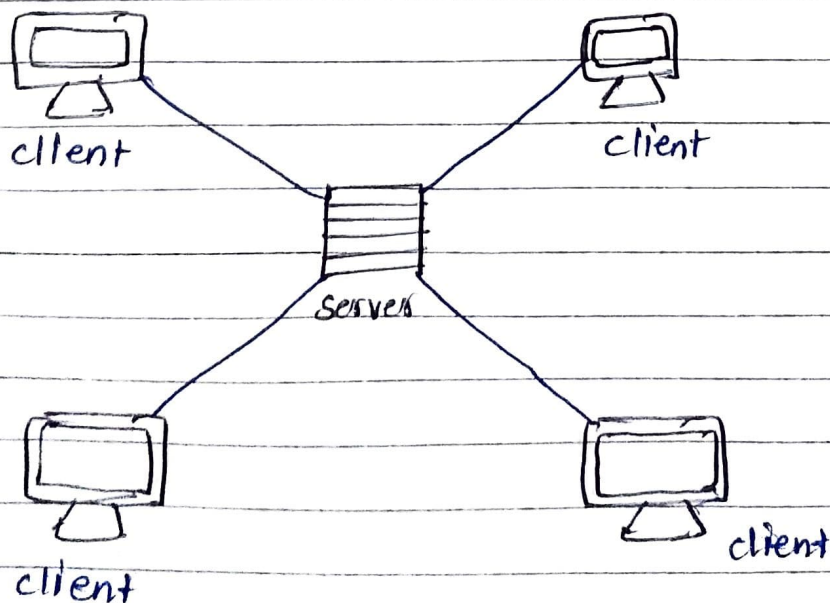
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PS 01 : Study & Distinguish following concepts :

1. Client-Server architecture, Internet & World Wide Web
2. Web Browser & Web Server

Answer $\frac{1}{2}$ Client-Server Architecture

- (1) Client-Server architecture is a computing model in which server hosts, delivers and manages most of the resources and services to be consumed by the client.
- (2) This type of architecture has one or more client computers connected to a central server over a network or internet connection.
- (3) Client/Server architecture is also known as a networking computing model or client/server network because all the requests and services delivered over a network.



2. Internet

- (1) The Internet is the global system of interconnected computer networks that uses the Internet protocol suite (TCP/IP) to communicate b/w networks & devices.
- (2) It is a network of networks that consists of private, public, academic, business and government networks of local to global scope, linked by a broad array of electronics, wireless, and optical networking technologies.

World Wide Web

- (1) The World Wide Web (WWW), commonly known as the Web, is an information system where documents and other web resources are identified by Uniform Resource Locators (URL, such as <https://example.com>), which may be interlinked by hypertext, and are accessible over the Internet.

2. Web Browsers

(1) Web Browser is an application program that displays a World wide web document. It usually uses the internet service to access the document.

(2) The Web browser requests the server for the web documents & services.

(3) The web browser act as an interface b/w the server & the client and displays a web document to the client.

(4) The web browser sends an HTTP request & gets an HTTP response.

(5) Doesn't exist any processing model for the web browser.

(6) Web browser stores the cookies for different websites.

(7) The web browser is installed on the client computer.

Web Server

(1) Web server is a program or the computer that provide services to other programs called client.

(2) The web server accepts, approve and respond to the request made by the web browser for a web document or service.

(3) The web server is a software or a system which maintain the web applications, generate response & accept clients data.

(4) The web server gets HTTP request & send HTTP responses.

(5) There exist 3 types of processing models for web ~~browser~~ server i.e. Process-based, Thread-based & hybrid.

(6) Web servers provide an area to store & organize the pages of website.

(7) Server can be remote PC placed at the other side of your network or even on the other end of globe.