

Third Year B.Tech CSE Sem-5

Programming Lab-3

Practical No-2

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To Distinguish Client-Server Architecture, Internet, WWW, Web Browser and Web Server.

Problem Statement 1:

Study and distinguish the following concepts in your words.

1. Client-Server Architecture, Internet and World Wide Web
2. Web Browser and Web Server.

Ans

1. Client-Server Architecture	Internet	World Wide Web
ii] It is the medium through which clients access the resources and services from a Control Computer via the LAN/WAN	The Internet is a vast network that connects computers all over in the world	It is also known as Web and is a Collection of websites or web pages stored in web servers and connected to local computers
iii] Network Services: e-mail	Through the Internet, people can share the information to communicate	Over the Internet using their devices such as computers, laptops,

from anywhere with  
an Internet Connection.

Cell phones, etc.

## 2. Web Browser

## Web Server

i] Web Browser is an application program that displays a world wide web document and usually uses the internet service to access the document

It is a program on the computer that provide service to other programs called as "Client".

ii] It request the server for the web document and services

The web server accept approve and respond to the request made by the web browser for a web document

iii] It sends an HTTP request and gets an HTTP response

The Web Server gets HTTP request and sends HTTP response

iv] Doesn't exist any processing model for the Web Browser

There exist three types of processing models for Web server i.e. process based Thread Based and Hybrid

### Problem Statement 2:

Study and describe the following concepts in your words.

i] HyperText

iii] HTTP

ii] HyperLink

iv] HTTP Status codes with meaning



### i] HyperText:

HyperText is a text displayed on a computer display or other electronic devices with references to other text that the reader can immediately access. It's documents are interconnected by Hyper links, which are typically activated by a mouse click, keypress or screen touch, is also sometimes used to describe tables, images and other presentational content formats with integrated hypertext.

### ii] Hyperlinks:

A Hyperlinks is an element, in an HTML document that links to either another position of the document that links on webpages, hyperlinks are usually coloured purple/blue and are sometimes ~~understand~~ underlined. A hyperlink can be thought of as an interface that links to a target, clicking the hyperlink at the source will navigate to the target-

- \* Text
- \* Images
- \* URL's
- \* Controls

### iii] HTTP:

A HyperText Transfer Protocol is an application for distributed, collaborative, users to communicate data on the World Wide Web. HTTP was invented alongside HTML to create the fast, interactive, text-based web browsers. The original World Wide Web protocol remains of using internet

#### iv] HTTP Status Code with Meaning

HTTP defines these standard status code that can be used to convey the results of a client's request. The status code are divided into five categories.

a] 1xx: Informational Communication Transfer Protocol level information

b] 2xx: Success Indicates that the client's request was accepted successfully

c] 3xx: Redirection: Indicates that the client must take some additional action in order to complete their request

d] 4xx: Client Error: This category of error status codes provides the finger at clients.

e] 5xx: Server Error: The server takes responsibility for these error status codes