

BCS5B10

Web programming Using PHP

Module 1

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Module 1

- Chapter 1 – Basics of WWW
- Chapter 2- HTML
- Chapter 3- CSS

Chapter 1

Basics of WWW

- What is it?

“WWW is distributed client- server service, in which a client using browser can access a service using a server”

1989 -European Laboratory



World Wide Web

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#) , [Policy](#) , November's [W3 news](#) , [Frequently Asked Questions](#) .

[What's out there?](#)

Pointers to the world's online information, [subjects](#) , [W3 servers](#) , etc.

[Help](#)

on the browser you are using

[Software Products](#)

A list of W3 project components and their current state. (e.g. [Line Mode](#) , [X11 Viola](#) , [NeXTStep](#) , [Servers](#) , [Tools](#) , [Mail robot](#) , [Library](#))

[Technical](#)

Details of protocols, formats, program internals etc

[Bibliography](#)

Paper documentation on W3 and references.

[People](#)

A list of some people involved in the project.

[History](#)

A summary of the history of the project.

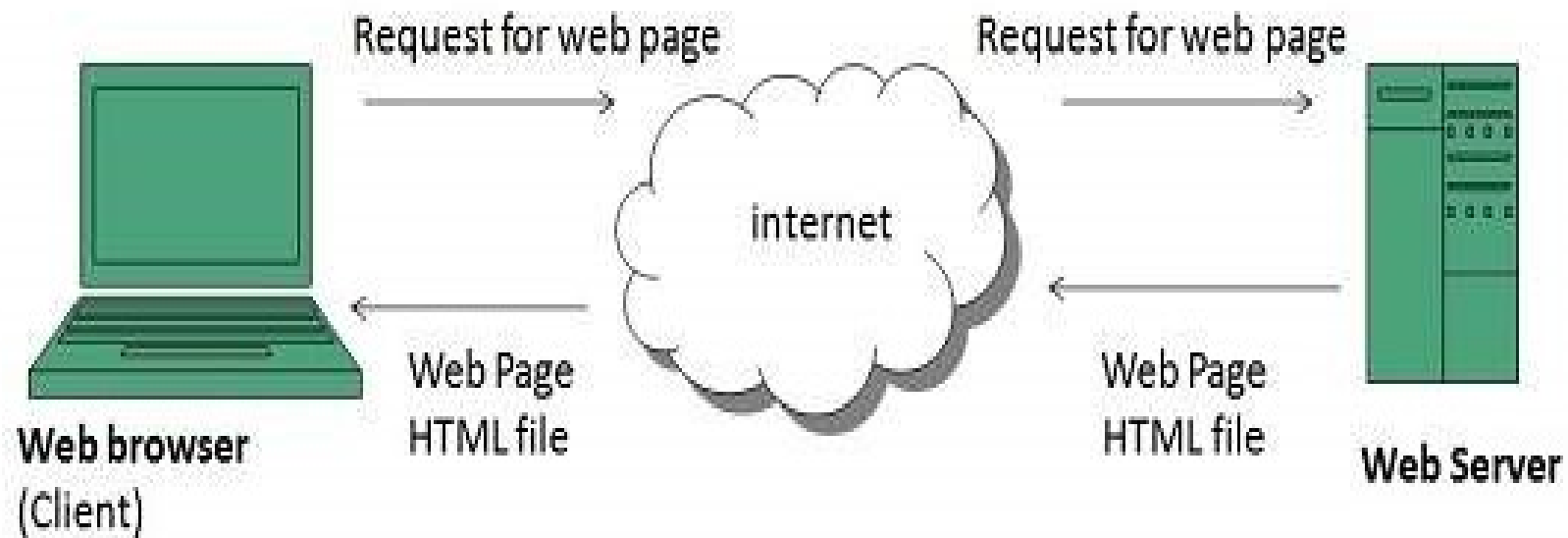
[How can I help ?](#)

If you would like to support the web..

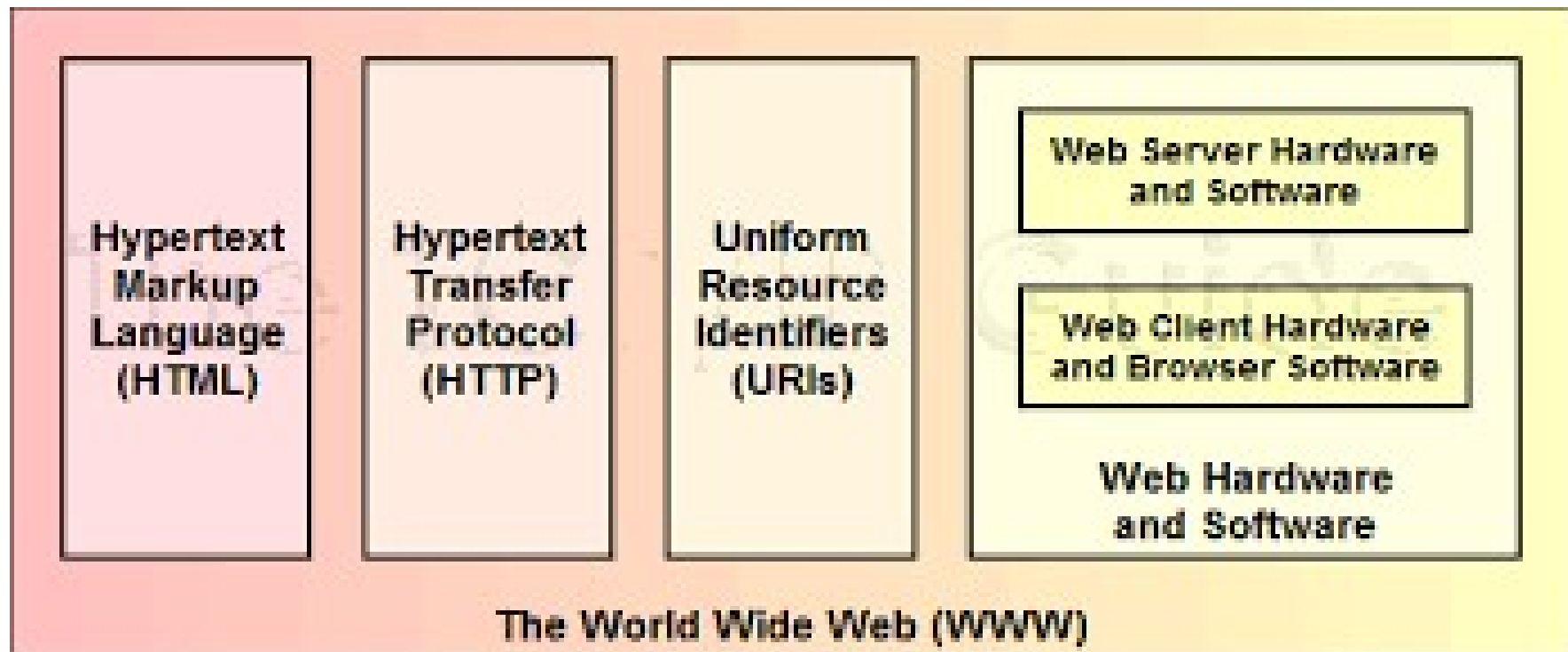
[Getting code](#)

Getting the code by [anonymous.FTP](#) , etc.

Architecture of WWW



Functional Components of the World Wide Web



Web Browsers

- *“Web browsers are HTTP client software programs that run on TCP/IP client computers to access web documents on web servers”*
- *3 parts*
 - 1. Controller*
 - 2. Client protocol(HTTP,FTP,TELNET,SMTP)*
 - 3. Interpreters (HTML,JavaScript,Java)*

Web Servers

- “Web servers are computers that run special server software to allow them to provide hypertext documents and other files to clients who request them”.

HTML

- HTML is a text language used to define hypertext documents
- Tags
- We can link one document to another

HTTP

- HTTP (Hypertext Transfer Protocol) is the set of rules for transferring files (text, graphic images, sound, video, and other multimedia files) on the [World Wide Web](#).
- HTTP is an application [protocol](#) that runs on top of the [TCP/IP](#) suite of protocols (the foundation protocols for the Internet).

Uniform Resource Locator

- `http://www.example.com/index.html`,
- HTTP : indicates a protocol
- A hostname or domain name (`www.example.com`),
- A file name (`index.html`).
- HTTPS: Secure Hypertext Transfer Protocol

Working of WWW

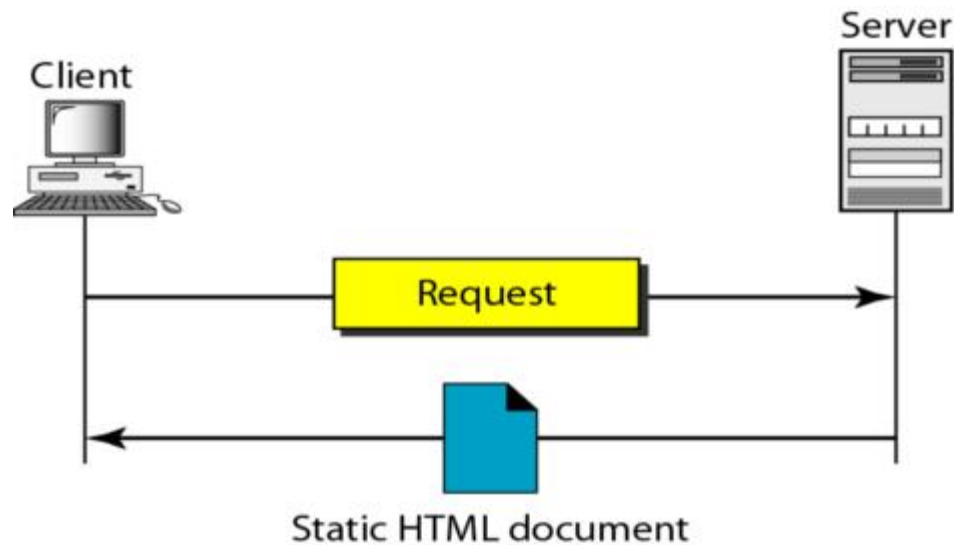
- It begins with entering a URL in web browser or following a hyperlink.
 - Server name resolved using a IP in DNS (Domain Name System)
 - Send HTTP request to Server
 - Parsed by Browser
 - Response is given using Interpreters

Web Documents

- Static documents
- Dynamic documents
- Active Documents

Static Documents

- Fixed content documents
- Client can only get a copy of document
- Contents are determined when it is created but when it is used



Dynamic Documents