

## WPE Week 1 Questions

### 1. What is the World Wide Web?

The World Wide Web, also called the **web**, is the service that provides access to information stored on web servers

The World Wide Web (www) as known as the web is a system of interconnected documents and other resources, like websites and videos, that are accessible through the internet. Users can access information through hypertext links, allowing them to easily navigate between different resources. The web is one of the many applications or services built on top of the Internet, not the same thing as the Internet itself.

### 2. How does the web work?

The user clicks on a hyperlink (or types the URL) in the browser and sends a HTTP get message. The message is transferred on a TCP/IP channel. The server treats the request and returns an html page embedded into an HTTP answer/response.

OR

WWW works on client- server (2-tier) approach. Following steps explains how the web works:

1. User enters the URL (say, <https://www.iti.ac.pg>) in the address bar of web browser.
2. Then browser requests the Domain Name Server for the IP address corresponding to [www.iti.ac.pg](http://www.iti.ac.pg).
3. After receiving IP address, browser sends the request for web page to the web server using HTTP protocol which specifies the way the browser and web server communicates.
4. Then web server receives request using HTTP protocol and checks its search for the requested web page. If found it returns it back to the web browser and close the HTTP connection.
5. Now the web browser receives the web page, It interprets it and display the contents of web page in web browsers window.

### 3. What is a hyperlink?

A **hyperlink**, commonly called a **link**, is an element that connects one webpage to another webpage on the same server or to any other web server in the world

### 4. Where does HTML fit in the web?

**Hypertext Markup Language (HTML)** is the language used to create Web pages. Using HTML, you can create a Web page with text, graphics, sound, and video.

5. Who invented HTML?

Invented by Sir Tim Berners-Lee in 1991,

6. When was HTML first introduced?

The first official version came out in 1995, called HTML 2.0.

7. What was the primary purpose of HTML when it was created?

**HTML 1.0** was launched in 1993 with the goal of exchanging information that can be read and accessed via web browsers. However, few developers worked on websites.

8. What is the first step in creating an HTML document?

First step can be either understanding the meaning and purpose of HTML tags

OR selecting a text or notepad editors (workspace) for creating a HTML document.

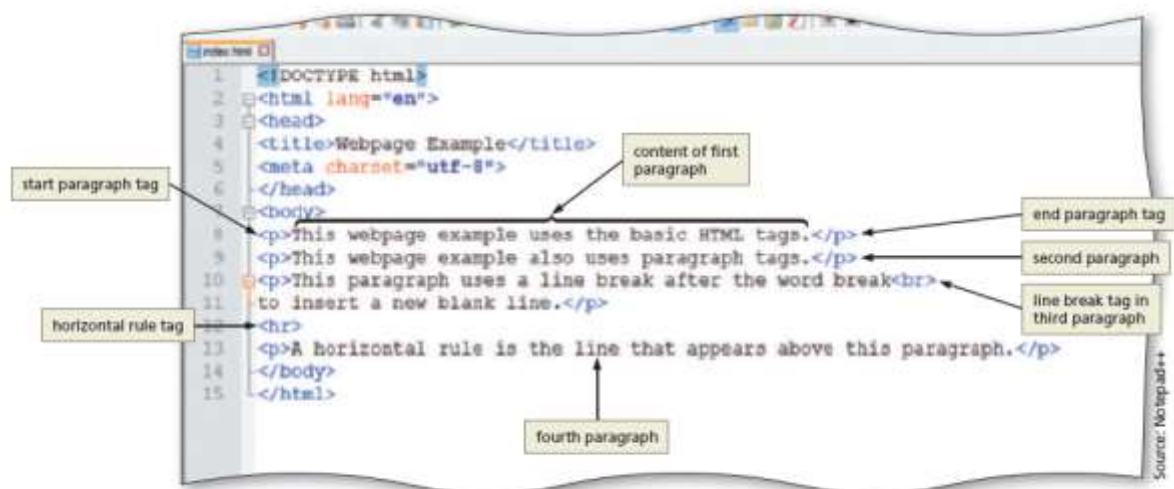
9. What is the basic structure of an HTML document?

Must contain the following tags

`<html> </html>`

`<head> </head>`

`<body> </body>`



**10.** What is the role of the <body> tag in an HTML document?

The role of the <body> tag is to define a container for all visible content displayed in your webpage or HTML document.

**11.** What is the significance of the <!DOCTYPE> declaration in HTML?

The <!DOCTYPE html. Declaration serves as an instruction to the web browser about the version of HTML the document is code in.

**12.** What is the purpose of the <head> section in an HTML document?

The role of the <head> tag or section is to provide a container for metadata and HTML document information which is not visible on the web browser. Metadata is helpful for search engines, web browser and other web services to get content, structure and relationship of the website.