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ITC240

V1: Web Applications

1) In the context of the above video, what are **clients**?

Clients are browsers, mobile apps, screen readers, and content aggregators.

2) When we type in a **URL**, the request does **not** typically go first to the web server.  Where does it go?

The request will go to a DNS, then translates the URL to an IP address.

3) What is the difference between a **dynamic** and a **static** site?

A dynamic site is must first be processed by a web application, like PHP, .NET, or Ruby . A static site is require no additional processing.

4) What is the **client side language** mentioned by the author?

Javascript

5) [Critical Thinking] Why is it important to understand **DNS** when helping a client change hosting companies?

You have to make sure the site is properly registered to the correct DNS otherwise it will not be able to load the page for you.

6) [True or False] According to our author, front end design is commonly associated with the **server**.

False

7) What are the three languages the author associates with **front end** design?

HTML, CSS, and Javascript

8) According to our author, what was the original **server side** script?

CGI script

9) [Critical Thinking] What is the downside to page refreshes?

This can increase server load.

10) What is the advantage of PHP being open source?

PHP is open source and pairs with Apache and mySQL and it popular for building dynamic sites.

11) [Critical Thinking] Can the end user see the PHP source code?  Why?

No, they cannot source code. This is because the information is processed on the server and the results are what are displayed to the user.

12) [Critical Thinking] What happens when we open a PHP enabled page by the browser if it’s stored on our desktop or in our documents folder?

I would return and error.

13) What is JSP?

JSP is Java Server Pages

14) [Critical Thinking] What’s the difference between a framework like **.NET** and PHP?

PHP is preferred when looking to only build dynamic websites, whereas .NET is for large scale applications and only hosted by Microsoft.

15) According to our author, which language listens for click events?

Javascript

16) [Critical Thinking] What is an advantage to showing different content to people depending on who they are?

This process becomes more personalized to each user.

17) [Critical Thinking] What is the significance of the file extension of the web file to **Apache**?

18) In this video the author mentions at least three different names for the folder that he calls the **server root**, which is where web files go.  What are they?

www, www root, and public html

19) [Critical Thinking] Why should you should you not mix **html** and **php** file extensions in the same site?

You should use .php for all files even if they don’t use PHP. That way you can add PHP to the file at a later time without having to change the url.

20) What is **ASP**?

ASP is Microsoft’s version of PHP

21) What does our author say about **whitespace** in relation to PHP?

White space doesn’t matter in PHP

22) What is meant by **concatenation**?

To combines two or more strings together to get just one output

23) [Critical Thinking] Should you always use **semi-colons** to end a statement in PHP?  Why or why not?

You should use semicolons even though they are not necessary at all times. This allows for good practice for when you need to use it.

24) According to the author, what is the practical purpose of writing code comments?

To be able to understand the purpose of the code later on or if someone else needs to look at your code.

25) What are the three ways you can make a code comment in PHP?

//, #, or /\* for multiple line comments.