**Introduction to HTML and JavaScript**

**Final Exam**

*Introduction*

*Read the question and all answers carefully, some of the questions have more than one answer,*

*In that case I indicate how many answers are correct. If you feel any question is wrong or there is no answer correct feel free to write your ideas, if you convince me that you understood the concept, you will get the credit for the question.*

1. *What is the protocol to retrieve HTML files from the web server*
2. HTTP
3. FTP
4. SMTP
5. NNTP
6. *An HTML file is a file that contains text and (choose all that apply)*
7. Features Ex All programs have some features, we can consider the DOM structure as a feature of HTML
8. Attributes Ex: <p “attributes”>
9. Styles Ex: style.css, the css file controls all the “style rules” from the <link rel="stylesheet" href="css/style.css">
10. Tags Ex: p tag, meta tags, etc…
11. *In order to create a new row in a table which one of the following options would you use*
12. <tr> considering the table is already created with <table> command, we use table row <tr> to open rows
13. <table>
14. <form>
15. <td>
16. *In order to see the result of your HTML code*
17. You have to compile the code and create executable
18. You only have to load it in a browser
19. You have to use JavaScript to show your file
20. You have to use a web server
21. *Which one of the following options is not correct*
22. You can FTP using Internet explorer : If we assume that the question is “ can IE use the FTP” I think it’s right because I see on google the FTP is the File Transfer Protocol which send information between client and server, so if you do a login in a site using the Internet Explorer I understand the IE is using the FTP, but the IE is not the FTP, they are different.
23. In order to be connected to the Internet you have to use phone lines: Maybe in the 90’s when I tried to play online and I lost my connection whenever my mom gets the phone.
24. <B> tag is making the text to be shown as bold : please use lower case <b> or <strong>(but this one has a different intonation for reader software’s.
25. You can have multiple frames in one HTML file: I don’t have a single definition for a “frame” but I can consider a page as a frame or an <iframe> as a frame so the HTML can have many frames.
26. *How would you show a formatted text in an HTML file?*
27. By using <PRE> tag: the <pre>(with lower case, it’s a best practice) keep your original format for a text.
28. By using <format> tag
29. By using <meta> tag
30. By using <head> tag
31. *You have typed your HTML file and you are trying to show it on the browser but nothing would show up on the screen , which one of the following tasks would you use to troubleshoot your problem(choose all that apply)*
32. Check the spelling for tags
33. Check the spelling for the text
34. Make sure the tags are closed if they are supposed to
35. Check the path for the file
36. Change htm extension to exe and try again
37. Change the font of the text and try again
38. Type all your tags in upper case

OBS: You should take a look at the console as well

1. *How would you make your browser to run JavaScript code?*
2. By putting your code in script tag
3. By downloading JavaScript plug in
4. By copying the JavaScript code to the end of the html file
5. Do nothing, the browser automatically detects JavaScript and runs it: if you coded it right(inside a script tag or at your main.js with a valid link) and you are using a updated browser it should run.
6. *In order to validate a form’s input you should… ?*
7. Write a JavaScript program
8. Use a <validate> tag
9. Use a <PRE> tag
10. Use a <meta> tag
11. *Which one of the following options is not correct? ( Choose 2)*
12. You can have an HTML file that consists of only JavaScript code
13. To make a JavaScript program you should use special editor called textpad
14. You can have a JavaScript function to create the HTML file
15. JavaScript is the only web development tool

*Part II*

*Indicate which sentence is true or false, choosing only true or false will not give you any credit since I need to know your reasons. Explain your answer with a sentence or two.*

1. *You can have only one table in each HTML file. False – we made a site with many tables, there is no content limit in HTML*
2. *All HTML tags should have a closing tag before they can work. False – some “void tags” don’t need to be closed, Ex: <img>*
3. *You can use any text editor to make HTML files – true, if your code is correct, it will run when you open it in a browser*
4. *A web site is consisted of only HTML files – false, css is a file, js is a file, and many others you can insert in a web site.*
5. *JavaScript is a server side script that runs on the web server – I think its false, server side for me, are the php and other back-end applications, but I see in google that js can be used in some Server-side applications..*
6. *<meta> tag contains information that search engines use – true, because it helps to indicate and create classifications to your web site contents.*
7. *As a result of submitting a form usually a script program will run – true, because when you submit a form it need to go somewhere, and a script will define how and where to go.*

(Q 1 to 17: 51 Marks- 3 points each)

Part 3 – Designing a Web Site

18. You are supposed to design a web site with two horizontal frames, your upper frame is supposed to be your menu and your lower frame is supposed to be your detail.

Each item should have a reference inside the HTML file. Clicking link items will navigate to the related section.

Your menu design should look like following





By choosing picture you should show 3 pictures in a row. You can use Bootstrap or tables.

By choosing form you should create a registration form that gets name, surname, password and password confirmation and email address, you should make sure that the two passwords are identical before you give the user a “successful” message.

By choosing table you should display a table for hours of operation in weekdays (data is optional)

Example:

|  |  |
| --- | --- |
| **Operation Hours** | |
| Monday-Thursday | 9:00AM to 7:00 PM |
| Friday | 9:00 AM to 9:00PM |
| Weekends | 10:00 AM to 4:00 PM |

By choosing a list you should show an ordered list of all employees, minimum 3 person (data is optional). This data should loaded from JavaScript file. Inside HTML file, add a class name to list items and use getElementByClassName() method.

Good luck