

SHORT QUESTIONS OF WD2

1.What is xml

- **Xml** (eXtensible Markup Language) is a mark up language.
- XML is designed to store and transport data.
- Xml was released in late 90's. it was created to provide an easy to use and store self describing data.
- XML became a W3C Recommendation on February 10, 1998.
- XML is not a replacement for HTML.
- XML is designed to be self-descriptive.
- XML is designed to carry data, not to display data.
- XML tags are not predefined. You must define your own tags.
- XML is platform independent and language independent.

2.What is the use of callback parameter of JQuery effect methods?

- The callback parameter of JQuery effect methods is a function that is called after the effect is complete.
It allows developers to execute additional code after the animation or effect has finished.

3.What is the difference between remove() and empty() method of JQuery?

- The remove() method in JQuery removes the selected elements from the DOM, including their children and all event handlers. The empty() method, on the other hand, removes only the child elements of the selected elements, but leaves the selected elements themselves in the DOM.

4.How many types of tags are there in XML? Explain with example.

- There are two types of tags in XML: start tags and end tags. Start tags are used to define the beginning of an

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element, while end tags are used to define the end of an element. For example:

```
<book> <title>XML for Beginners</title> <author>John  
Doe</author> </book>
```

In this example, the start tag for the "book" element is <book>, while the end tag is </book>. Similarly, the start tag for the "title" element is <title>, while the end tag is </title>.

5. WHAT IS DTD?

- DTD stands for Document Type Definition. It is an XML file that defines the structure and elements of an XML document. DTDs are used to validate XML documents against a specific structure or schema.

6. EXPLAIN ID SELECTOR IN JQUERY?

- The #id selector in JQuery selects elements with a specific ID attribute. For example, to select an element with the ID "myElement", the selector would be \$("#myElement").

7.What is class selector in JQuery?

- The class selector in JQuery selects elements with specific class attribute. For example, to select all elements with the class "myClass", the selector would be \$(".myClass").

8.What is SET method in jQuery?

- The SET method in jQuery is used to set the value of an attribute or property for a set of matched elements. For example, to set the "class" attribute of all paragraph elements to "highlight", the code would be \$("p").attr("class", "highlight");.

9. What is chaining effect in jQuery?

- Chaining effect in jQuery refers to the ability to apply multiple actions

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or methods to the same set of elements in a single statement. This allows for more concise and efficient code.

10. Give difference between wrap and unwrap methods in jQuery.

- The wrap() method in JQuery is used to wrap an HTML structure around the selected elements.
- The unwrap() method, on the other hand, removes the wrapper element from the selected elements, leaving only the original elements.

11. What is selector in jQuery? List any five selectors.

- In jQuery, a selector is a pattern used to select elements from the HTML DOM (Document Object Model) based on their attributes, names, classes, or IDs. Selectors in jQuery are similar to the selectors used in CSS, and they allow you to select and manipulate specific HTML elements on a web page.
- Element selectors
- ID selectors
- Class selectors -
- Attribute selectors -
- Descendant selectors -

12. How to define JSON objects?

- How to define JSON objects? JSON objects are defined using curly braces {} and contain key-value pairs separated by a colon :. Each key is a string, and values can be of any valid JSON data type, including numbers, strings, boolean values, arrays, and other objects.

13. Define npm?

- npm stands for "Node Package Manager". It is a command-line tool that allows developers to install, manage, and share Node.js packages (libraries, frameworks, tools, etc.) easily. npm is also used to manage dependencies in Node.js projects.

14. What is package.json?

- package.json is a JSON file that is used to define the properties and dependencies of a Node.js project. It contains information such as the

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project name, version, description, author, license, dependencies, and devDependencies. This file is used by npm to manage the project's dependencies.

15.Which commands are used to check version of node and npm?

- To check the version of Node.js installed on your system, you can run the following command in the terminal:

node -v

To check the version of npm, you can run the following command in the terminal:

npm -v

16.What is XML Element?

- In XML, an element is a component of an XML document that represents a single unit of data. An element consists of a start tag, an end tag, and the content that is between the tags. The start tag contains the name of the element, and the end tag is the same as the start tag but with a forward slash / added before the element name.

17.EXPLAIN JSON?

- JSON stands for JavaScript Object Notation, it is a lightweight data interchange format that is easy for humans to read and write and easy for machines to parse and generate. It is a text format that is completely language independent but uses conventions that are familiar to programmers of the C family of languages.

18 . WHAT IS AJAX?

- AJAX stands for Asynchronous JavaScript and XML. It is a technique for creating fast and dynamic web pages that allows a web page to update without reloading the entire page. With AJAX, web applications can send and receive data from a server in

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the background, without interfering with the display and behavior of the existing page.

19 . WHAT IS USE OF NODE JS?

- Node.js is used for creating server-side applications, network applications, and command-line tools. It provides an event-driven, non-blocking I/O model that makes it lightweight and efficient, making it ideal for building scalable, data-intensive, and real-time applications.

20. Give examples of few third party modules .

- There are many third-party modules available for Node.js, some popular examples include:

Express: A minimalist web framework for Node.js

Socket.io: A real-time event-driven communication library for Node.js

Passport: An authentication middleware for Node.js

Winston: A versatile logging library for Node.js

Moment.js: A powerful date and time manipulation library for Node.js

21. What do you mean by Document Ready Event?

- The Document Ready Event in jQuery is triggered when the HTML document is ready to be manipulated. It means that all the HTML has been loaded and parsed, and the DOM hierarchy is ready to be manipulated with JavaScript/jQuery. This event is often used to run jQuery code when the page is fully loaded.

22. What is element selector in JQuery?

- An element selector in jQuery is used to select HTML elements based on their tag name. It is denoted by the tag name of the element. For example, to select all the paragraphs in a document, we can use the selector \$('p').

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23. What is GET method in JQuery?

- The GET method in jQuery is used to retrieve data

network error

from the server. It sends a request to the server with specified parameters in the URL and receives a response from the server. The data can be in different formats such as HTML, JSON, XML, or plain text.

24. What is the difference between JavaScript and Node.js?

- JavaScript is a client-side scripting language that is used for creating interactive web pages. It runs in a web browser and is used to manipulate the DOM and handle user events. On the other hand, Node.js is a server-side runtime environment for JavaScript that allows JavaScript to be used for server-side scripting, and provides APIs for creating network applications and web servers.

25. What is the use of css() method in jQuery?

- The css() method in jQuery is used to get or set CSS properties of an element. It can be used to change the appearance of an element dynamically by modifying its style properties.

26. What are the advantages of AJAX?

Some advantages of AJAX include:

- Improved user experience by providing fast and responsive web applications
- Reduced server load and bandwidth usage as only required data is requested and received
- Improved interactivity and usability of web pages without requiring a full page refresh
- Improved scalability and performance of web applications

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27.What are the types of send() method used for XMLHttpRequest?

- There are two types of send() method used for XMLHttpRequest:

send(): Sends the request to the server with optional request body data

sendFormData(): Sends the request to the server with form data as the request body

28.What is the purpose of Node.js?

- The purpose of Node.js is to provide a runtime environment for JavaScript on the server-side. It enables developers to use JavaScript to create high-performance, scalable, and real-time network applications and web servers.

29.Write about JSON multi-dimensional array

- A JSON multi-dimensional array is an array that contains one or more arrays as its elements. It can be used to represent complex data structures that require multiple levels of nesting. For example, a two-dimensional array can be used to represent a matrix of data.

30.How to read query-string in Node.js ?

- To read query strings in Node.js, we can use the built-in URL module. We can parse the query string by accessing the search property of the URL object and using the querystring module to parse it into key-value pairs.

31.What is the difference between writeFile() and appendFile()?

- The writeFile() method in Node.js is used to write data to a file. It overwrites the existing file with the new data. The appendFile() method is used to append data to a file. It adds the new data to the end of the existing file without overwriting it.