Module - WD - JavaScrip Essentials

1. What is Condition Statement?

* A conditional statement is a programming construct or statement that executes specific instructions based on the outcome of a logical condition.
* It's also known as an "if-then" statement because it states a condition and then explains what happens if that condition is met
* Types of Conditional Statements
* If Statement,
* If-else Statement,
* If-else-if Statement,
* Switch Statement,
* Ternary Operator

1. What is the result of the expression (5 > 3 && 2 < 4) ?

* The result of the expression (5 > 3 && 2 < 4) will be True because both the conditions are true as 5 is greater than 3 and 2 is smaller than 4.

1. What is the result of the expression ( true && false || false && true?

* The result of the expression true && false || false && true will be false

1. What are the looping structures in JavaScript? Any one Example?

* The JavaScript loops are used *to iterate the piece of code* using for, while, do while or for-in loops. It makes the code compact. It is mostly used in array.
* There are four types of loops in JavaScript.
* for loop
* while loop
* do-while loop
* for-in loop
* **<script>**
* for (i=1; i**<**=5; i++)
* {
* document.write(i + "**<br/>**")
* }
* **</script>**

1. What is the drawback of declaring methods directly in JavaScript objects?

* One of the drawback of creating true private method in javascript is that they are very memory inefficient because a new copy of the method would be created for each instance.

1. Form Validtion in JS?

* Form validation is a crucial step that needs to be completed before submitting data to the database.
* This process is performed to prevent any errors or faulty data from being inserted into the database.
* The HTML form includes various input fields such as email, text, checkbox, radio button, etc.

1. Dynamic Form Validation in JS?

* Dynamic Forms is a client library to automate progressive filtering and initialisation of dynamic fields in an easy and fast way.
* It supports the developer in managing and centralizing all forms interactions.
* It is written in typescript and compiled in java script.

1. how many type of JS Event? How to use it ?

* Here is a list of some common HTML events:
* Onchange
* Onclick
* Onmouseover
* Onmouseout
* Onkeydown
* Onload
* <button onclick="document.getElementById('demo').innerHTML = Date()">The time is?</button>

1. What is Bom vs Dom in JS?

* BOM(Browser Object Model)
* BOM is a Browser Object Model, which is a window object supported by all browsers
* The alert() method is one of the BOM methods
* The prompt() method is used to display a browser dialog
* The console method
* DOM(Document Object Model)
* DOM is a collection of functions and attributes / data that we use to create JavaScript programs that we can call APIs
* We can access more specific HTML elements by using some of the functions below.
* getElementById()
* getElementByName()
* querySelector()
* querySelectorAll() and more..

1. Array vs object defences in JS?

* Array
* Arrays are best to use when the elements are numbers.
* The data inside an array is known as Elements**.**
* Iterating through an array is possible using Forloop,For..in,For..of, and ForEach().
* Object
* Objects are best to use when the elements’ strings (text).
* The data inside objects are known as Propertieswhich consists of a keyand a value**.**