**JavaScript By Thapa Technical**

**\*JavaScript –** JavaScript improves the user experience of the web page by converting it from a static page into an interactive one (or) JavaScript is used to update and change both HTML and CSS. It adds behavior to web pages.

**\*First JavaScript program in console –**

Alert(“Welcome to JS Course”)

**\*Ways to Write JavaScript-**

1. Inline JavaScript

<button onclick = “alert(‘Hello’)”>Click me</button>

1. Internal JavaScript

<script>console.log(‘Hello, world’);</script>

1. External JavaScript

<script src=”script.js”></script>

**Values and Variables-**

Var myName = “Manisha”;

**Here:**

Var – Variable (Key)

myName – Variable Name (A variable is a container(box) that holds a value)

“Manisha” – Value

**Naming Variables: Rules and Best Practices**

1. Variables names must start with a letter, an underscore(\_) or a dollar sign ($).
2. Variables names cannot contain spaces.
3. By Convention, Javascript variable names are written in camelCase.
4. Variables cannot be the same as reserved keywords such as if or const.
5. Variable names are case sensitive.
6. Variable names can be as long as you need.

**Note –**

How to run js file – install code runner extension (or) in console write node (first letter of ur file) and click tab button.

**\*Challenge One –**

1. Var my\_firstName = “John”; - Correct
2. Var \_myLastName$ = “Doe”; - Correct
3. Var 123myAge = 25; - Not Correct
4. Var $cityName = “New York”; - Correct
5. Var my@Email = “Thapa” – Not Correct

**\*Data Types**

-> There are 2 types of data types

1. Primitive Data Types – String, Number, Boolean, Undefined, Null, Bigint, Symbol.

2. Object Data Types – An Object, An Array, A Date.