**Assignment – 1**

**Q – 1.** What is the difference between Java & JavaScript?

**ANS.**

|  |  |  |
| --- | --- | --- |
| **SR. NO.** | **JAVA** | **JAVA SCRIPT** |
| 1 | Mainly use for back-end | Mainly use for front-end |
| 2 | Executed in JVM or in the browser | Executed in browser |
| 3 | Allows better security | Need more efforts to enhance security |
| 4 | The syntex is similar to c++ | The syntexis similar to c |
| 5 | Requires Java Devlopment Kit(JDK) | Can be written in any text editor |

**Q – 2.**  What is JavaScript?

**ANS.** Java Script is the Programming Language for the Web.JS can update and change both HTML and CSS.

**Q – 3.**  What are the data types supported by JavaScript?

**ANS.** There are 8 data types supported by JavaScript:

1. String

2. Number

3. Bigint

4. Boolean

5. Undefined

6. Null

7. Symbol

8. Object

**Q – 4.** What are the scopes of a variable in JavaScript?

**ANS.** Java Script variable have only two scopes, Global Variable and Local Variable.

**Q – 5.**  What is Callback?

**ANS.** function that is passed as an argument to another function so that it can be executed in that other function is called as a callback function.

**Q – 6.**  What is the difference between the operators ‘==’ & ‘=== ‘?

**ANS.**

|  |  |  |
| --- | --- | --- |
| **SR NO.** | **‘==’** | **‘===’** |
| **1** | Double equals (==) compare only the value of the two variables, but not their datatypes. | Triple equals (===) check both the value and datatypes of two variables. |
| **2** | It implicitly converts the type to perform an operation. | It doesn’t convert their original datatypes |
| **3** | It is loosely typed. | It is strictly typed. |

**Q – 7.**  What is the difference between null & undefined?

**ANS.**  Undefined means a variable has been declared but has yet not been assigned a value. Null is an assignment value. It can be assigned to a variable as a representation of no value.

**Q – 8.**  What would be the result of 2+5+”3″?

**ANS.** The output is 73.