Day – 3 Java script Assignment

1. Explore and explain the various methods in console functions?

**Console.log();**

Mainly used to log(print) the output to the console. We can put any type inside the log(), be it a string, array, object, Boolean etc.

console.log() method

console.log('abc');

console.log(1);

console.log(true);

console.log(null);

console.log(undefined);

console.log([1, 2, 3, 4]); // array inside log

console.log({a:1, b:2, c:3}); // object inside log

**console.error()**

Used to log error message to the console. Useful in testing of code. By default the error message will be highlighted with red color.

**console.clear()**

Used to clear the console. The console will be cleared, in case of Chrome a simple overlayed text will be printed like : ‘Console was cleared’ while in firefox no message is returned.

**console.time() and console.timeEnd()**

Whenever we want to know the amount of time spend by a block or a function, we can make use of the time() and timeEnd() methods provided by the javascript console object. They take a label which must be same, and the code inside can be anything( function, object, simple console).

**console.table()**

This method allows us to generate a table inside a console. The input must be an array or an object which will be shown as a table.

**console.count()**

This method is used to count the number that the function hit by this counting method.

**console.group() and console.groupEnd()**

group() and groupEnd() methods of the console object allows us to group contents in a separate block, which will be indented. Just like the time() and the timeEnd() they also accepts label, again of same value.

**Custom Console Logs**

User can add Styling to the console logs in order to make logs Custom . The Syntax for it is to add the css styling as a parameter to the logs which will replace %c in the logs

1. what is the difference between var, let and const?

Var,let,const are used for variable declaration in javascript but the differencebetween them is that var is function scoped and let and const is block scoped. It can be said that a variable declared with var is defined throughout the program

1. What are the data types available in java script?

* Numbers
* Strings
* Boolean
* Big int
* Null
* Undefined
* Object
* symbols