**JavaScript(11-01-2021)**

1) If-else statement

* If else is a conditional statement if we want to execute some part according to the condition then we can use if else statement.

2) Boolean Logic

* The Logical operator like && , OR and ! are used for Boolean Logic.
* && operator return true if all of the given conditions are true.
* In && :- (True,True -> True), (True-False -> False) , (False,False -> False)
* OR operator return true if one of the given condition is true.
* In OR operator :- (True,True -> True), (True,False ->True) , (False,False -> True)
* !(Not) oprator converts true value false and false value true.

3) Ternary Operator

* We can use ternary operator in place of if else statement. Sometime multiple if else make our code confusing so instead of writing multiple if else line we simple write all the condition and related output statement in one line using the ternary operator.
* Ex:- var age = 19;

age >18 ? console.log(“Ready to vote”); : (“Not ready to vote”);

* We can also assign value by using ternary operator

var votingstatus = age >18 ? console.log(“Ready to vote”); : (“Not ready to vote”);

4) Switch Statement

* We can also use switch statement if we want to select one code from the many based on specific condition.
* Example:-

var day = ‘Monday’;

switch(day)

{

case ‘Monday’ :

console.log(‘Today is Monday’);

break;

case ‘Tuesday’ :

console.log(‘Today is Tesday’);

break;

case ‘Wednesday’ :

console.log(‘Today is Wednesday’);

break;

default :

console.log(‘Invalid input’);

}

5) Truthy and False Values

* falsy values are :- undefined, null, 0, ‘ ’ , NaN
* truthy values :- not falsy values.

6) Equality Operator

* === :- Strict equality operator this operator return false if we compare two different data types.
* == :- This equality operator does type coercion means if we compare two different datatype like 23 = ‘23’ it return true.

7) functions

* If we want to use same block of code multiple time then we can use the function to avoid same code writing multiple time.

Syntax:-

function function\_name(arguments)

{

Block of code;

return return\_value/expression;

}

Function\_name(values);

8) functions expression

* Same as function declaration but the syntax is different.

Syntax:-

var variable\_name = function\_name(arguments)

{

Block of code;

return return\_value/expression;

}

Console.log(variable\_name(arguments\_value));

9) Arrays

* In Javascript, Array is a single variable that is used to store different elements.
* Syntax:-

var array\_name = []; //method 1

var array\_name = new array(); //method 2