**Today’s Topics**

* **If else conditions**: execute a code if the condition matched.

Eg. If(age >= 18){

Consol.log(“You can vote”);

}else{

Consol.log(“You can’t vote”);

}

* **else if**: uses when you have multiple conditions.

If(age <= 13){

Consol.log(“You are boy.”);

}

else if( age <= 22){

Consol.log(“You are teenager.”);

}else{

Consol.log(“You are adult.”);

}

* **Basic Boolean Logic**: AND ,OR ,NOT
* AND (&&): true if all AND conditions are true otherwise false.

Eg If (age >= 18 && name == “Mohit”)

* OR (||): any one conditions needs to true.

Eg If (age >= 18 ||age<=25)

* NOT (!): invert the true/false value.

Eg If (name!= “mohit”)

* **Ternary Operator**: another way to check conditions if it’s true or false.

Eg age >= 18 ? Consol.log(“You can vote”) : Consol.log(“You can’t vote”);

* (condition) ? (Statement if it’s true) : (Statement if it’s false);
* **Switch statement**: when multiple conditions are true.

Switch (condition){

Case 1: statement;

Break;

Case 2: statement;

Break;

….

Default: statement;

}

* **Truthy and Falsy values**:
* Falsy values: undefined,Null, 0 , ‘ ’,NaN
* Truthy values : all value which is consider as a true in conditions.
* **===:** use to match types as well as values.
* If(23 == ‘23’) //true
* If(23 === ‘23’) //false
* **Functions**: it contains piece of codes. We can pass arguments and it’ll return the appropriate results.

function CalculateAge(birthYear){

return 2021 – birthyear;

}

consol.log(CalculateAge(1999));

* Function Expressions:

Var AdditionOfNum = function(num1,num2);

* **Arrays**: contains bunch of values in single variable.

Var name = [‘ananya’,’alia’,’geeta’,’sarita’]

Var name = new Array(‘ananya’,’alia’,’geeta’,’sarita’);

* 2 ways to create array: 1) using [] 2) using Array() function.

Consol.log(name[2]) //output: geet

name[1] = ‘kareena’; //change the value at that position.

name.push(‘deepika’); //add the element at last.

name.unshift(‘nohra’); //add the element at first.

name.pop(); //remove the last element.

name.shift(); //remove the first element.

name.indexOf(‘alia’);//return the index number of element.