**Module 23 Notes**

Video 1 –

1. I’ll learn few basic things or format or rule that should be maintained during coding. These will also be helpful for interview because these rules are common questions.
2. Creating a new repository named “advanced-javascript” to store files that I’ll create in this module and linking the local folder.

Video 2 –

1. Code –

const age = 4;

if(age){

console.log("Condition is true");

}

else{

console.log("Condition is false");

}

Output –

Condition is true

This loop will show any negative or positive number as “condition is true” but if the number is 0 than it’ll show “condition is false”.

1. To check if there any string as value –

const name = "Solaiman";

if(name.length > 0){

console.log("Condition is true");

}

else{

console.log("Condition is false");

}

Output –

Condition is true

I can also do the same thing with just writing “name.length” or “name” as condition inside the for loop.

1. **If I do not define anything as value of the variable then the condition will become false –**

let name;

console.log(name);

if(name){

console.log("Condition is true");

}

else{

console.log("Condition is false");

}

Output –

undefined

Condition is false

1. null is also a false value –

let name = null;

console.log(name);

if(name){

console.log("Condition is true");

}

else{

console.log("Condition is false");

}

Output –

null

Condition is false

1. NaN or not a number is also a false value.
2. Empty array is a truthy value –

let name = [];

console.log(name);

if(name){

console.log("Condition is true");

}

else{

console.log("Condition is false");

}

Output –

Condition is true

1. Empty object is also a true value –

let name = {};

1. Value “false” is a false value –

let name = false;

console.log(name);

if(name){

console.log("Condition is true");

}

else{

console.log("Condition is false");

}

Output –

false

Condition is false

1. But if I write “false” meaning write false with double or single quotation then it is true because then it becomes a string.
2. Zero (0) is a negative number. This can be confusing sometimes.
3. **This true and false values are important when writing conditions –**

let name = 0;

if(name || name == 0){

console.log("Condition is true");

}

else{

console.log("Condition is false");

}

Output –

Condition is true

**And if it is a number –**

let name = 1;

if(name || name == 0){

console.log("Condition is true");

}

else{

console.log("Condition is false");

}

Output –

Condition is true

Video 3 –

1. If there is no value of the variable then it’ll show undefined –

let name;

console.log(name);

Output –

undefined

1. If I do not return the value of a function then it’ll show undefined.

function add(num1, num2){

sum = num1 + num2;

console.log(sum);

}

const result = add(13, 82);

console.log(result);

Output –

95

undefined

1. Even if I write only “return” and do not specify what to return, it’ll show undefined.
2. If I do not pass the value of a parameter then it’ll show undefined –

function add(num1, num2){

console.log(num1, num2);

}

const result = add(13);

console.log(result);

Output –

13 undefined

undefined

In this case we can set a default value.

1. If I try to access a property of an object which does not exists then it’ll show undefined.