

```

1 // Number Conversion using parseInt method <> Number
2 // parseInt is a method that covert string to number
3 // parseInt contain the Number constructor
4
5 var input = 11;
6
7 console.log("Decimal   :", input);
8 console.log("Binary    :", Number.parseInt(input, 2));
9 console.log("Octal     :", Number.parseInt(input, 8));
10 console.log("Hex       :", Number.parseInt(input, 16));
11
12 // Math object
13
14 var abs = Math.abs(-45);
15 var goUp = Math.ceil(.0000);
16 var goDown = Math.floor(.9999);
17 var power = Math.pow(3, 2);
18 var roundUp = Math.round(4.9);
19 var random = Math.random(1, 19) + 10;
20 console.log(random);
21
22 //===== String data type
23
24 let myName = "Mehedi"; // primitive
25
26 let yourName = new String("Hasan"); // object
27
28 console.log(myName[0]); // grab the string by index
29 console.log("My name is " + myName + "!"); // string add
30 console.log(`My name is ${myName} !`); // another way..
31 console.log(myName.length); // give the number of charater of string
32
33 //===== String Method
34
35 let favFood = "Mango";
36 console.log(favFood.length);
37 console.log(favFood.charAt(2)); // 2 char in favFood string n.
38 console.log(favFood.concat(" like Mehedi", " He is good boy ", " multipule string can be add")); // concat two string .
39
40 let content = "This is mehedi and I just want to know that";
41 let search1 = "mehedi";
42 let search2 = "good";
43
44 console.log(content.includes(search1, 4)); // if find give true .. includes(findString , indexToStartPosition);
45 console.log(content.includes(search2)); // false
46
47 console.log(content.indexOf(search1)); // give the postion 8
48
49 console.log(content.indexOf(search1, content.indexOf(search1))); // search inside the search... trick (-_-)
50
51 console.log(content.lastIndexOf(search1)); // same of indexOf but lastIndexOf give the last result of that string.
52
53 //===== More String Method
54
55 let content1 = "This-is a good Day Mehedi";
56
57 console.log(content1.substring(1, 3)); // hi => first_arg_included but second_arg_exclusive_not_included
58 console.log(content1.substr(1, 3)); //his => nubmber of char + this take 4 char of starting index..
59 console.log(content1.toUpperCase()); // make to upperCase letter. THIS IS A GOOD DAY MEHEDI
60
61 console.log(content1.toLocaleLowerCase()); // this is a good day mehedi
62
63 console.log(content1.trim()); // remove extra space ..from validation...
64 console.log(content1.split(" ")); // split string into sepetart array by space or das(-), (,) many more => Â ["This", "is a good Day Mehedi"], by space => ["This-is", "a", "go
65
66 console.log(content1.search("good")); // find string inside 10.
67 console.log(content1.replace("good", "B")); // This-is a B Day Mehedi

```