

## CLASS 7. String ~~Manipulations~~

Switch Statement

```
let replys = prompt ("Do you want to continue");
switch(replys) {
    case "y":
        document.write ("Continue");
        break;
    case "y" || "yes":
        document.write ("Continue"); break
    case "N" || "n":
        document.write ("end");
        break;
    case "no":
        document.write ("end");
        break;
    default:
        { document.write ("wrong input"); }
}
```

## String:-

String is sequence of characters used to represent text  
it is primitive data type.

e.g.

let str1 = "I am learning js"; // double

let str2 = 'I am sorry js'; // single

let str3 = `I am sorry template`; // template literal  
(adjacent to { key})

## Template literal.

for next line \n

for tab (space) \t

for print / in string \

for write variable in string \${variable name}

for double quotation "hello" | "hello"

- \* let str = "hello \n how are you"  
document.write(str); for next line  
// use of `10` template literal
  - \* let str = "hello \t how are you";  
in say space ajayega
- \$ let str = "hello"  
let num = 5  
document('hello \${num}');

length  
let str = "Hello. Mahesh";  
let l = str.length;  
Document.write(l);  
Document.write(str[9]);  $\&$  9 letter will be printed

## Some String Properties

let str1 = "I am learning Js";

let str2 = "Css";

let str3 = "HTML";

Find length

str.length

To join strings.

Document.write(str1 + str2);

Document.write(str1 + " " + str2);  
(space ayaye ge.)

new var = str.concat(str2, str3);

document(newvar);

b

- 1 let str = " I am learning Javascript";
- 1 ~~let~~ str.trim() // to remove space from start end
- 2 ~~let~~ str.trimstart() //
- 3 str.trimend() //
- 4 str.toUpperCase() // change in uppercase
- 5 str.toLowerCase() // change in lowercase
- 6 str.replace("Javascript", "html") //
- 7 str.includes("is") // search words .is / if not found return -1

like

```
let str1 = "Hello"  
let str2 = "I am mahwish"  
let str3 = "World is our  
document.write(str2); // (str2.trim())  
str2.trim();  
str2.trimStart();  
str2.trimEnd();
```

lower / upper

document.write(str3.toUpperCase())

document.write(str3.toLowerCase())

~~str~~ Replace ; Include:-

document.write(str3.replace("teaching", "maths"))  
document.write(str3.includes("is")) false it has no is

Slice :-

document.write(str3.slice(5, 10)): Yeh wo word le ayeega jaise maths

## ~~Class 8~~ Class 8 (Switch/ break)

### String Method / For loop

let = 56

let = 66;

document.write ('the sum of \${num1} & \${num2} is \${num1+num2}');  
the sum of 56 and 66 is 122

### Loop

- 1) to execute a piece of code again and again
- 2) to finite loop and infinite loop
- 3) infinite (not end) memory full / computer hang
- 4) finite loop (ending point)

### For loop

```
for (let i=1; i<5; i++) {  
    document.write ("Hello");  
}
```

It has 3 steps.

1 step 2 declare variable lik i  
Block scope variable bolte haik isko  
let i = 1;

2 step condition check jab tak condition true  
 $i \leq 5$ ; block of code execute

~~5 is greater than less than or equal to 5~~

3rd step

for (i=1; i<=50; i++).

## Class 9. (Array Methods)

for loop

~~backward counting~~

for (let i=20; i>=1; i--)

{ document.write("<br>", i); }

20  
19 etc.      Name

Array (primitive data type)

- store multiple value in single variable
- value written in square brackets [ ]
- value separated by comma.
- each position is called index
- each value called through index num start with 0
  - e.g arr[0], arr[1]

e.g.

let info = [5, "hina", "computer"];

document.write(info);

## Properties of array Method

e.g:-

```
let arr = [34, "Sadia", "javascript"];  
document.write(arr); // arr[0]/arr[1]/arr[2];
```

Length Of Array :- To know the length of array.

```
document.write(arr.length);
```

simple loop, let L = arr.length - 1;

```
for (let i = 0; i < L; i++) {  
    document.write(arr[i], "<br>");
```

Now with for of loop:-

```
let arr = [34, "Sadia", "javascript"];  
for (let l = arr.length; l >= 0; l--) {  
    for (let value of arr) {  
        document.write(value);  
    }  
}
```

~~Push method~~. Push method.

Let arr = [34, "sadia", "JavaScript", "Computer"];  
arr.push("HTML"); // item inserted in end.  
document.write(arr);

Unshift :-

arr.unshift("css"); // item inserted in start  
document.write(arr)

Shift :-

arr.shift(); // remove item from start  
document.write(arr);

Pop :-

arr.pop(); // remove item from end.

& ToString :-

arr.toString(); // To convert array in string.  
document.write(arr);

Concat :-

let arr2 = [12, 32], let arr3 = arr

~~arr.concat~~ let arr3 = arr.concat(arr2);  
document.write("arr3") // To join 2 arrays.

Index Of :-

arr.indexOf("computer") // tell conditons of computer  
document.write(a);

kis jagah par hai

Slice :- yeh wo uttha kr lakin dega jiska humne number  
Document.write(arr.slice(2)); likha hogya

Splice :-

Document.write(arr.splice(2,1,44));  
2 sey uttha kr 1 num dilli krd 44 included krde

Splice (index, remove, add)

## Class 10:-

Method & loop/For In/while/do while loop

Revise:-

White loop

Do while loop.

## Class 11 :-

Function in JS.

- \* A JS function is a block code design to perform a particular task
- \* A JS function is executed when "like" Uppercase, lowercase..

```
Function abc(){  
    document.write("hina")  
    "  
    " 5 times)  
}
```

abc() we need to call function waha jeh nahi  
print hoga

Function definition (define)

function frame()

{ Block of codes }

function invoke (call)

frame();

Function with Value of 2

function frame (p1, p2)

{ document.write (p1+p2); }

like

abc (5,7)

function (p1, p2)

{ document.write (p1\*p2) } // 35

Let ans = mult (ab),  
ans = p1 \* p2; } for return

return ans;

document.write (ans);

Function Ke Liye Parameters kaw

function is used for

) Baar ek cheez ko likhna na phe. call  
krwaye jab chahe call krwasakte hain

EK sum ka banale EK multi ka

Call kr hue argument bolte hain

Arrow function (it come in Es6)

const fname = () => {  
 fname()

=> abhi hain is main is ilje ye arrow  
bolte hain

const ~~m1~~ mult = (p1, p2) => {  
 let ans = p1 \* p2 \* p3;  
 Return ans; }