16 Feb 2022—----------

```
console.log("Welcome to Programiz!");
var newvar=15;

console.log(newvar);
newvar="Rishabh";
console.log(newvar);
var newarr=[1,"Rishabh",3,4,5];
console.log(newarr);
var x={fname:"Rishabh", lname:"Garg"};
console.log(x.fname);
var key="fname";
console.log(x[key]);
console.log(x.key);
var arr=[1,2,3,4,5];
arr[2]=6;
arr="hello";
arr=arr+"Ojesh";
arr[5]=10;
console.log(arr[4]);
console.log(arr);
console.log(arr[5]);
```

```
let a = 5 , b = 6;
let sum = a + b;
let c = 5;

function summer(a , b){
   c = "hello";
   return ;
   return (a + b);
}

function sub(a , b){
   return a - b;
}

function mult(a , b){
   return a * b;
}

function pow(a , b){
   return a ** b;
}

summer(a , b);
console.log(c);
```

```
/*let A = 'h' , B = 5;
A *= B;
console.log(A);*/

let x = {
   fname: "Hello!!" , lname: "World" , fullname(){
       return this.fname + " " + this.lname;
   }
}
console.log(x.fullname());
```

Date 17/2/2022

```
var tem="my-name-is-shivam";
console.log(tem.slice(0,5));
console.log(tem.slice(5));
console.log(tem.slice(-2))
console.log(tem.slice(-4,-1))
console.log(tem.slice(2,1))
// console.log(tem.slice(,))
```

```
//slice do form starting index to ending index-1
//slice also works for -ve indexing
//when -ve index the slice()arguments inter change first argument is ending and second will be starting ex= str.slice(end,first)
//and for +ve str.slice(first,end)
```

Date 18/2/20222

```
/*let a = [1 , 2  , 3 , 4 , 5];
let b = a;
b[2] = 7;a[2] = 6;
console.log(a , b);*/

/*let a = [3 , 4 , 2 , 1 , 5 , 6 , 11];
let b = a.map(fun);
function fun(val){
   return val;
}
a[2] = 6;b[2] = 7;
console.log(a , b);
*/

/*let a = [1 ,2 , 3 , 4 , 5 , 6];
let b = a.forEach(function(value , index , array){
   return value + 1;
});
console.log(a , b);*/
const myArr = Array.from("ABCDEFG");
console.log(myArr);
```

21/02

```
// Online Javascript Editor for free
// Write, Edit and Run your Javascript code using JS Online Compiler

console.log("Welcome to Programiz!");
var a=[1,2,3,4];
var b=a;
b[2]=5;
console.log(a,b);
var c=a.slice(0);
console.log(c);
var max=10;
var min=5
var temp=0;
for(var i=0;i<5;i++)
{
    var temp=Math.random();
    // console.log((temp*10).toFixed());
    // console.log(temp);
    console.log(Math.floor(temp * (max - min)) + min);
}

console.log(temp);
const ab={
    name:"first",
    last:"my",
    mid:function (){
        let obj=this;
        console.log(obj);
        // for(let key of obj)
        // {
        //     if(key!="mid")
        //         console.log(key,obj[key]);

        // }
    }
}
ab.mid();

var c ;
console.log("1")
setTimeout(sum, 5000);
function sum(){
  console.log("2");
  c = 3;
  console.log(c);
}
```

```
<html>
    <body>
        <h1 id="main">
            main
        </h1>
        <h2>
            bottom
        </h2>
        <h3>
            last
        </h3>

        <script>
            document.getElementById("main").innerHTML = "Hello World!";
            setInterval(function()
            {
                document.getElementById("main").innerHTML =
Math.random();
                document.getElementById("main").style.backgroundColor="
rainbow";
            },2000)

        </script>
    </body>
</html>
```

```
<html>
    <body>
        <h1 id="main">
            main
        </h1>
        <h2>
            bottom
        </h2>
        <h3>
            last
        </h3>

        <script>
            document.getElementById("main").innerHTML = "Hello World!";
            // for(let i=0;i<10;i++)
            var tem=0;
            var tem1=setInterval(function()
            {
                tem+=1;
                let n= Math.floor(Math.random()*10);
                document.getElementById("main").innerHTML=n;
                if(n<5)
                document.getElementById("main").style.backgroundColor="
blue";
                if(n==5)
                document.getElementById("main").style.backgroundColor="
green";
                if(n>5)
                document.getElementById("main").style.backgroundColor="
red";
                if(tem==10)
```

```
                clearInterval(tem1);
            },2000)


        </script>
    </body>
</html>
```

```
// setTimeout(function(){
// console.log("timer completed");
// },1000);
async function startSale( ){
  console.log("timer started");
  let msg = await delay(2000);
  console.log(msg);
  console.log("send notifiation");
}

startSale();

// delay(2000).then(resolve).catch(reject);

// function callBc(message){
//   console.log(message);
// }

function resolve(){
  console.log("sale started");
  console.log("send notifiation");
}

function reject(){
  console.log("something went wrong");
}


// function delay(timeInMiliseconds,callback){
//   setTimeout(function(){
//      callback("timer completed");
//   }, timeInMiliseconds);
// }


function delay(timeInMiliseconds){
  return new Promise((resolve,reject)=>{
  setTimeout(function(){
     // console.log("timer completed");
     return resolve("timer completed");
    // reject();
  }, timeInMiliseconds);
  })
}
```

```
function fun() {
    return new Promise((rishabh, shivam) => {
        setTimeout(() => {
```

```
            rishabh("print");
        }, 1000);
        shivam("before timeout");
    })
}
// fun().then((msd) => {
//     console.log(msd+" @@@===");
//     fun().then((msd) => {
//         console.log(msd+"### ===");
//     }).catch((vaar) => {
//         console.log(vaar)
//     });
// }).catch((vaar) => {
//     console.log(vaar)
// });
// fun().then((msd) => {
//     console.log(msd+" %%===");
// }).catch((vaar) => {
//     console.log(vaar)
// });
async function funcc(){

    let msd = await fun();
    console.log(msd+"&&&");
    msd = await fun();

    console.log(msd);
}
funcc();
```

```
function fun() {
    return new Promise((rishabh, shivam) => {
        setTimeout(() => {
            rishabh("print");
        }, 1000);
        shivam("before timeout");
    })
}
// fun().then((msd) => {
//     console.log(msd+" @@@===");
//     fun().then((msd) => {
//         console.log(msd+"### ===");
//     }).catch((vaar) => {
//         console.log(vaar)
//     });
// }).catch((vaar) => {
```

```
//     console.log(vaar)
// });
// fun().then((msd) => {
//     console.log(msd+" %%===");
// }).catch((vaar) => {
//     console.log(vaar)
// });
async function funcc(){

    let msd = await fun();
    console.log(msd+"&&&");
    msd = await fun();

    console.log(msd);
}
funcc();
```