1. Prompt for amount, interest rate and no. of years and calculate simple interest.

```
function myFunction() {
  var a = prompt("Please enter amount");

  var b = prompt("Please enter rate");
   var c = prompt("Please enter year");

     document.getElementById('area');
     area.innerHTML = (a*b*c)/100;
    console.log(((a*b*c)/100));
}
```

2. is a pallindrome.

```
 function myFunction2(){
          var str = prompt("enter a string");
          console.log(str);
          console.log(str.length);
          var len=str.length;
    var flag=0;
          for (var j = 0; j < (len )/2; j++)
          {

                        if(str[j] != str[len-j-1] )
                        {
                              flag = 0;
                             break;
                        }
                        else
                        {
                              flag =1;
                        }

    }
    if(flag == 1)
    {
          document.getElementById('area1');
      area1.innerHTML = ("yes it is a pallindrome");
          console.log("yes");
    }
    else
    {   document.getElementById('area1');
      area1.innerHTML = ("no it is not a pallindrome");
          console.log("no");
    }
}
```

3. Area of the circle.

```
  function myFunction3(){
           var r = prompt("Please enter radius");


     document.getElementById('area2');
     area2.innerHTML = (3.14 *r*r);
```

```
    console.log(3.14*r*r);
}
```

4.Copy information of one object to another and log it to console.

```
function myFunction4(){
 var a = { id: 4094, name:"Priyanka"};

 var b = {};

 for(var i in a)

 {
        b[i]=a[i];
 }

 console.log(b);

}
```

5. create a list of objects of Employee with info as follow :

- Name, age, salary ,DOB
- filter all employees with salary greater than 5000
- group employee on the basis of their age
- fetch employees with salary less than 1000 and age greater than 20. Then give them an increment 5 times their salary.

```
 function myFunction() {
  var a = prompt("Please enter amount");

  var b = prompt("Please enter rate");
   var c = prompt("Please enter year");

     document.getElementById('area');
     area.innerHTML = (a*b*c)/100;
    console.log(((a*b*c)/100));
}



function myFunction2(){
        var str = prompt("enter a string");
        console.log(str);
        console.log(str.length);
        var len=str.length;
   var flag=0;
        for (var j = 0; j < (len )/2; j++)
        {

                        if(str[j] != str[len-j-1] )


                                break;
```

```
                        else
                        {
                                flag =1;
                        }

    }
    if(flag)
    {
          document.getElementById('area1');
      area1.innerHTML = ("yes it is a pallindrome");
          console.log("yes");
    }
    else
    {   document.getElementById('area1');
      area1.innerHTML = ("no it is not a pallindrome");
          console.log("no");
    }
}

function myFunction3(){
           var r = prompt("Please enter radius");


     document.getElementById('area2');
     area2.innerHTML = (3.14 *r*r);
    console.log(3.14*r*r);
}



function myFunction4()
{
 var a = [{ id: 4094, name:"Priyanka"} ,{ id: 4095, name:"Priya"}];

 var b = {};

 for(var i in a)

 {
          b[i]=a[i];
 }
  for (var i in b) {
          console.log(b[i]);
  }

}

function myFunction5(){
   var a = [{ age: 19, name:"Priyanka" , salary: 1000000} ,{ age: 21, name:"parul" , salary:
100000} , {age: 15, name:"Piku" , salary: 10} , {age: 91, name:"Priya" , salary: 100}];

  function salary(ah){
          if(ah.salary > 5000)
      console.log(ah);

  }
  //a.filter(salary);
```

```
 function salaryless(ah){
        if(ah.salary < 1000 && ah.age >20)
        {
                ah.salary *= 5;
    console.log(ah);
        }

 }
 //a.filter(salaryless);
 var b=[];
function groupby(ah)
{
        if(ah.age<20)
        {
                 b = ah;
                console.log(b);


        }

}
a.filter(groupby);


}
```