EXERCISE

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

```
var amt = prompt("Enter the amount");

var int = prompt("Enter the interest");

var years = prompt("Enter number of years");

var SI = (amt*int*years)/100;

alert("Simple Interest is: "+SI);
```

2. is palindrome string

```
function isPalindrome(str) {

    return str === str.split("").reverse().join("");

}

var str = prompt("Enter String to be checked for palindrome");

alert("The result is: "+isPalindrome(str));
```

3. Area of circle

```
function area(r) {

    return 3.14*r*r;
```

```
}

var r = prompt("Enter radius of circle");

alert("Area of circle is: "+area(r));
```

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

```
original = {a:1, b:2, c:3};

copy = original;

console.log(copy);
```

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.

```
var Employees =
[{name:"Sunny",age:23,salary:18500,DOB:"01/01/1997"},

  {name:"Ashish",age:27,salary:10000,DOB:"01/01/1993"},

  {name:"Tushar",age:23,salary:2800,DOB:"01/01/1997"},

  {name:"Utkarsh",age:28,salary:11500,DOB:"01/01/1992"},

  {name:"Hanish",age:27,salary:800,DOB:"01/01/1993"}]


  //Filter by Salary
```

```javascript
function filter_by_salary(ob){

    if(ob.salary > 5000){

        return ob;

    }

}


console.log(Employees.filter(filter_by_salary));



//Group by Ages

function group_by_ages(ob){



    }



// Fetch Employees

function fetch_employees(obj){

    if(obj.salary<1000 && obj.age>20){

        return obj.salary = 6 * obj.salary;

    }

}



console.log(Employees.filter(fetch_employees));
```