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

<html>

<head>

<title>

Ans1

</title>

</head>

<body>

<script>

var p = prompt("enter principal");

var r = prompt("enter rate");

var t = prompt("enter time");

var si = (p\*r\*t)/100;

alert("amount = "+si);

</script>

</body>

</html>

* **is palindrome string**

<html>

<head>

<title>

Ans2

</title>

</head>

<body>

<script>

var x = prompt("enter string");

y = x.split("").reverse().join("")

if (x==y)

{

alert("is palindrome");}

else

{

alert("is not palindrome");

}

</script>

</body>

</html>

* **Area of circle**

<html>

<head>

<title>

Ans3

</title>

</head>

<body>

<script>

var x = prompt("enter radius of circle to calculate area");

y = Math.PI\*x\*x

alert("area of circle is "+y);

</script>

</body>

</html>

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

IN CONSOLE TYPE THIS :->

obj1 = {

"Fname":"karan",

"Lname":"sawlani",

"Age":22,

"Dob":"27/01/1997"

};

obj2 = {};

var obj2 = Object.assign({},obj1,obj2);

console.log(obj2);

Output is :-> Object { Fname: "karan", Lname: "sawlani", Age: 22, Dob: "27/01/1997" }

* **create a list of objects of Employee with info as follow :**
  1. **Name, age, salary ,DOB**
  2. **filter all employees with salary greater than 5000**
  3. **group employee on the basis of their age**
  4. **fetch employees with salary less than 1000 and age greater than 20. Then give them an increment 5 times their salary.**

var lists = [{Name:'karan',Age:25,Salary:600,DOB:'27/01/1997'}, {Name:'saurabh',Age:19,Salary:1200,DOB:'2/11/1997'}, {Name:'avinash',Age:19,Salary:20000,DOB:'22/02/1997'}, {Name:'saurbhi',Age:21,Salary:12000,DOB:'2/11/1997'}, {Name:'avnish',Age:21,Salary:800,DOB:'2/11/1997'}];

console.log(“Fetching employees name whose salary is greater than 5000”);

for(var i=0 ;i < lists.length;i++)

{

if(lists[i].Salary>5000)

{

console.log(lists[i].Name);

}

}

console.log(“fetching employees with salary less than 1000 and age greater than 20 and then giving them an increment 5 times their salary”);

for (var i=0; i<lists.length; i++)

{

if (lists[i].Salary<1000 && lists[i].Age>20)

{

console.log(lists[i].Name);

console.log(lists[i].Salary\*5);

}

}

console.log(“grouping by age”);

result = lists.reduce(function (r, a) {

r[a.Age] = r[a.Age] || [];

r[a.Age].push(a);

return r;

}, Object.create(null));