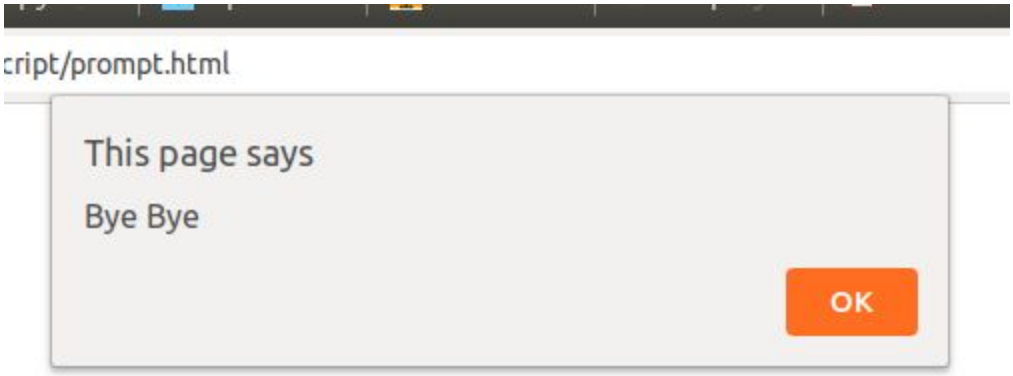
1. **Prompt for amount, interest rate and no. of years and calculate simple interest.**

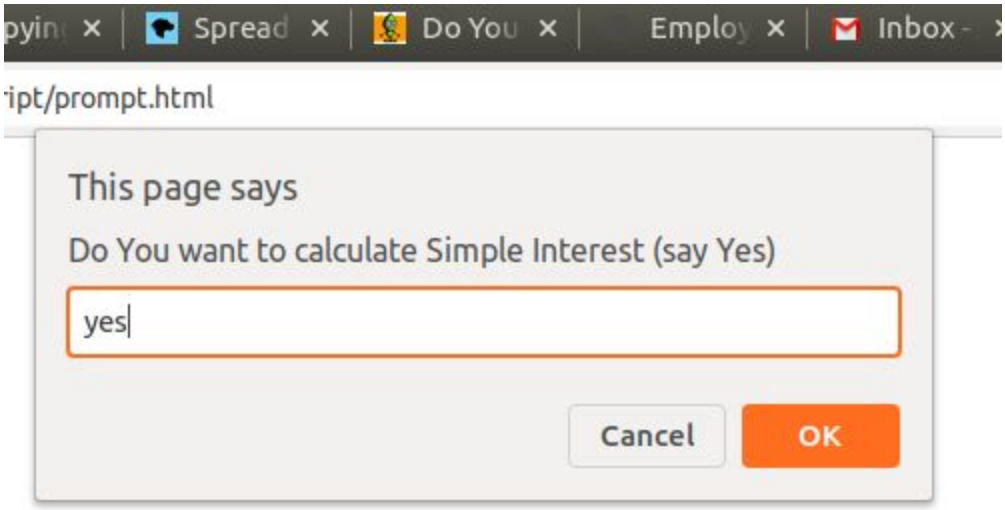
```
<!DOCTYPE html>
<html>
   <head>
       <title>
           Prompt Window for Simple Interest
       </title>
   </head>
   <body>
       <script  language="Javascript">
           var si=prompt("Do You want to calculate Simple Interest (say Yes) ");
           if(si=="yes"|| si=="YES"){
               calculate();
           } else alert("Bye Bye");
           function calculate()
           {
               var p,r,t;
               function getp()
               {
                   p=prompt("Enter the Principal");
                   return Number(p);
               }
               function getr()
               {
                   r=prompt("Enter the Rate");
                   return Number(r);
```

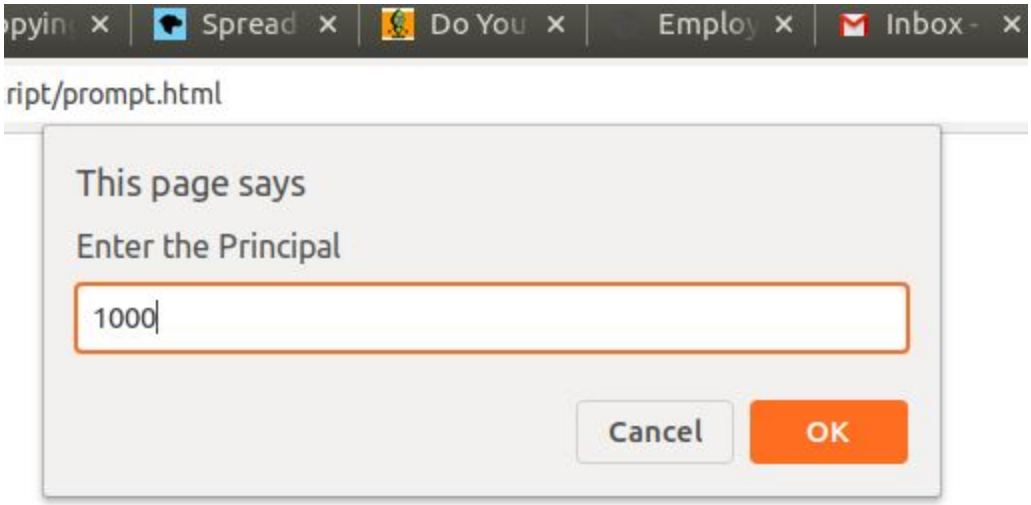
```
            }
            function gett()
            {
                t=prompt("Enter time in years");
                return Number(t);
            }
            function docalculate()
            {
                var p= getp();
                var r= getr();
                var t= gett();
                var result= (p*r*t)/100;
                alert("Simple Interest will be = "+ result);
                return Number(result);

            }
            docalculate();
        }
    </script>
</body>
</html>
```

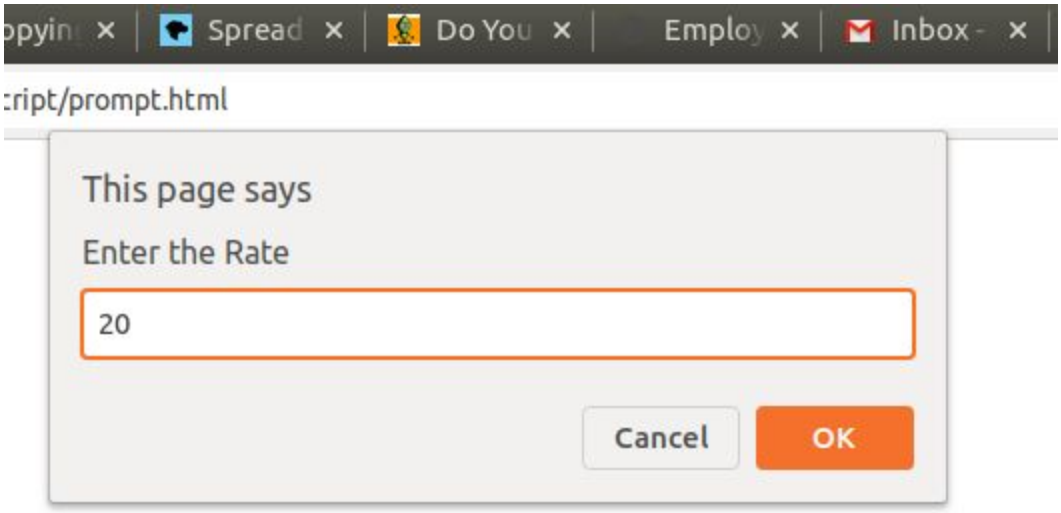
OUTPUT: If we cancel it so it will show BYE BYE

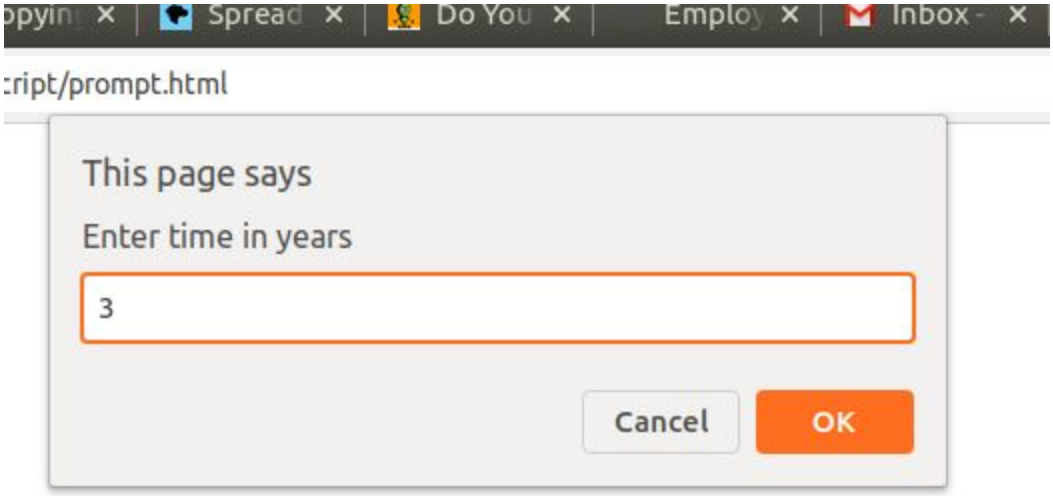


After getting Yes it get started execution






Spread
Do You
Employ
Inbox -
cript/prompt.html
This page says
Enter the Rate
20
Cancel
OK


Spread
Do You
Employ
Inbox -
cript/prompt.html
This page says
Enter time in years
3
Cancel
OK


ascript/prompt.html
This page says
Simple Interest will be = 600
OK

2. is palindrome string

```
<!DOCTYPE html>
<html>
   <head>
       <title>
           Palindrome of the String
       </title>
   </head>
<body>
   <script language="Javascript">
       function checkpalindrome(){
       var getvalue=document.getElementById("name").value;
       var result=ispalindrome(getvalue);
       function ispalindrome(s)
       {
           return s==s.split("").reverse().join("")?true:false;
       }
       if (result==true)
       {
           document.write("String is Palindrome");
       }
       else
       {
           document.write("String is Not Palindrome")
       }
       }
```

```
    </script>
    <p align="middle">
    Enter the Name to Check <br/> <input type="text" id="name">
    <input type="button" value="check" onclick="checkpalindrome()">
    </p>


</body>
</html>
```

OUTPUT

OUTPut->

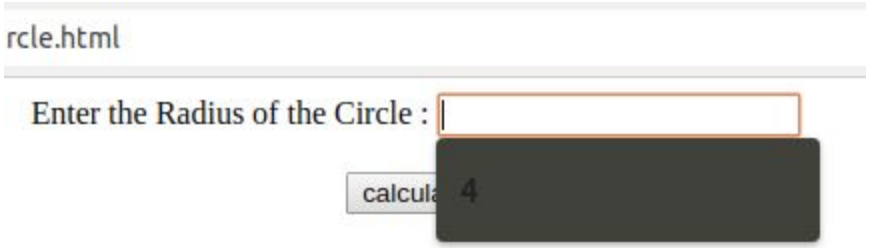
Output->

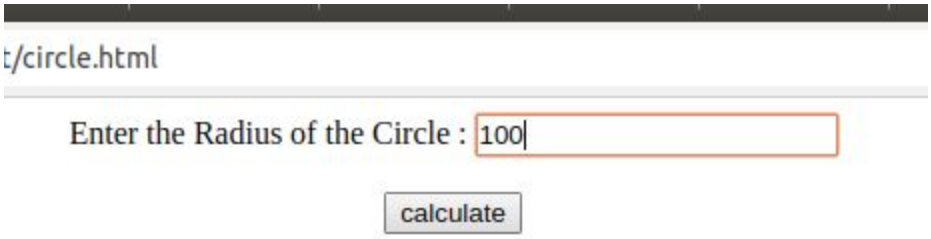
---

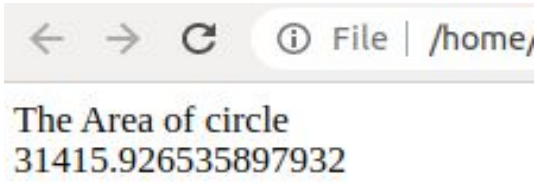
3. Area of circle

```
<!Doctype html>
<head>
```

```
    <title>


        Area of Circle

    </title>
</head>
<body>
    <script language="Javascript">
        function calculatearea(){
            var radius=document.form1.textradius.value;
            document.write(" The Area of circle <br/>"+ (radius*radius*Math.PI))
        }
    </script>
</body>
<form name="form1" align="middle">
    Enter the Radius of the Circle :
    <input type="text" name="textradius">
    <br>
    <br/>
    <input type="button" value="calculate" onclick='calculatearea()'>
</form>
</html>
```







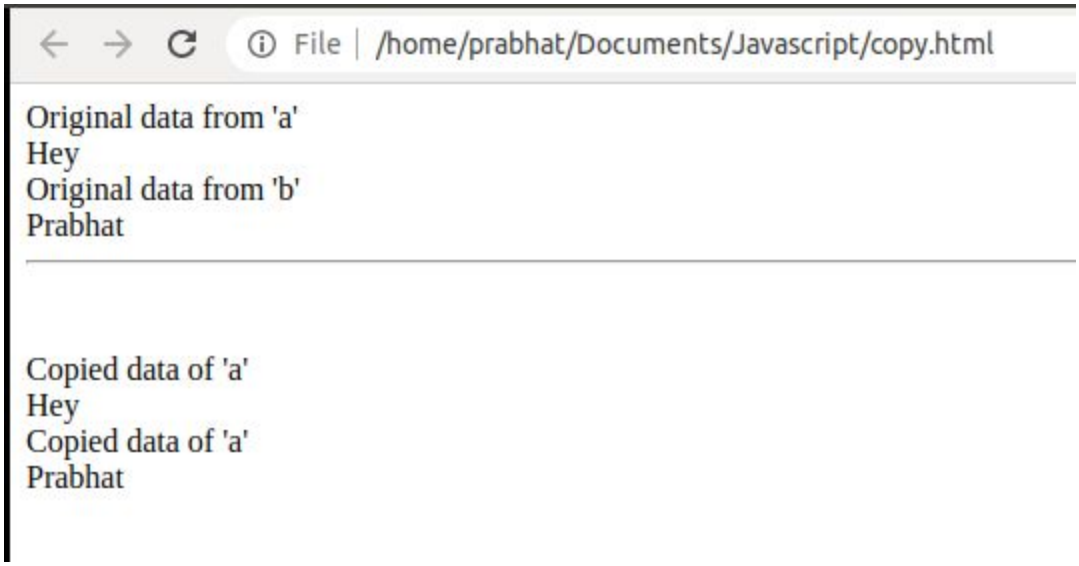
---

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

```
<!DOCTYPE html>

<html>

   <head>

       <title>

           Copy The Content

       </title>

   </head>

<body>
```

```
  <script language="Javascript">

      var orginaldata={

          a:"Hey",

          b:"Prabhat"

      };

      var copydata=orginaldata;

      document.write("Original data from 'a' <br>"+ orginaldata.a);

      document.write("<br>Original data from 'b' <br>"+ orginaldata.b);

      document.write("<hr/> <br/><br/>Copied data of 'a'<br>"+copydata.a);

      document.write("<br/>Copied data of 'a'<br>"+copydata.b);

     </script>

</body>

</html>
```

OUTPUT



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

```
<!DOCTYPE html>

<html>

<head>

   <script type="text/javascript" src=

       "https://cdnjs.cloudflare.com/ajax/libs/underscore.js/1.9.1/underscore.js">

       </script>


   <script>

       var employee=[

           {  Name:"Prabhat",Age:"24",Salary:"5000",DOB:"22July"},

           {  Name:"Udit",Age:"22",Salary:"200",DOB:"21August"},

           {  Name:"Akshita",Age:"22",Salary:"6000",DOB:"29July"},

           {  Name:"Mohit",Age:"24",Salary:"5500",DOB:"02Jan"},

           {  Name:"Shalu",Age:"25",Salary:"100",DOB:"07Sept"},

           ]

           console.log("Details of Employee --",employee);

           var employee_filter = employee.filter(function(item){

                   return (item.Salary>5000);

                   });

              console.log("Employee which has salary Greater than
5000",employee_filter);

              var newempl = employee.filter(function(item){

                  return(item.Salary<1000 && item.Age>20);

              });
```

```
            var Employee_new = newempl.map(function (items){
                items.Salary= (items.Salary*5);
                    return newempl;
            });
            console.log("Employee with Increased salary",Employee_new)
            var group=_.groupBy(employee,function(emp){
                return emp.Age;
            });
            console.log("Group the Employees through age",group);
    </script>
    <title>
        Employee Question
    </title>
</head>
<body>


</body>
</html>
```

- **Name, age, salary ,DOB**

```
Details of Employee --                                    employee.html:16
▼Array(5) i
  ▶0: {Name: "Prabhat", Age: "24", Salary: "5000", DOB: "22July"}
  ▶1: {Name: "Udit", Age: "22", Salary: 1000, DOB: "21August"}
  ▶2: {Name: "Akshita", Age: "22", Salary: "6000", DOB: "29July"}
  ▶3: {Name: "Mohit", Age: "24", Salary: "5500", DOB: "02Jan"}
  ▶4: {Name: "Shalu", Age: "25", Salary: 500, DOB: "07Sept"}
    length: 5
  ▶  proto  : Array(0)
```

- **filter all employees with salary greater than 5000**

```
Employee which has salary Greater than 5000                    employee.html:20
▼Array(2) i
  ▶0: {Name: "Akshita", Age: "22", Salary: "6000", DOB: "29July"}
  ▶1: {Name: "Mohit", Age: "24", Salary: "5500", DOB: "02Jan"}
    length: 2
  ▶__proto__: Array(0)
```

- **group employee on the basis of their age**

```
Group the Employees through age                                employee.html:32
▼Object i
  ▼22: Array(2)
    ▶0: {Name: "Udit", Age: "22", Salary: 1000, DOB: "21August"}
    ▶1: {Name: "Akshita", Age: "22", Salary: "6000", DOB: "29July"}
      length: 2
    ▶__proto__: Array(0)
  ▼24: Array(2)
    ▶0: {Name: "Prabhat", Age: "24", Salary: "5000", DOB: "22July"}
    ▶1: {Name: "Mohit", Age: "24", Salary: "5500", DOB: "02Jan"}
      length: 2
    ▶__proto__: Array(0)
  ▼25: Array(1)
    ▶0: {Name: "Shalu", Age: "25", Salary: 500, DOB: "07Sept"}
      length: 1
    ▶__proto__: Array(0)
  ▶__proto__: Object
>
```

- **fetch employees with salary less than 1000 and age greater than 20. Then give them an increment 5 times their salary.**

```
Employee with Increased salary                                 employee.html:28
▼Array(2) i
  ▼0: Array(2)
    ▶0: {Name: "Udit", Age: "22", Salary: 1000, DOB: "21August"}
    ▶1: {Name: "Shalu", Age: "25", Salary: 500, DOB: "07Sept"}
      length: 2
    ▶__proto__: Array(0)
```