Q-1 Prompt for amount, interest rate and no. of years and calculate simple interest.
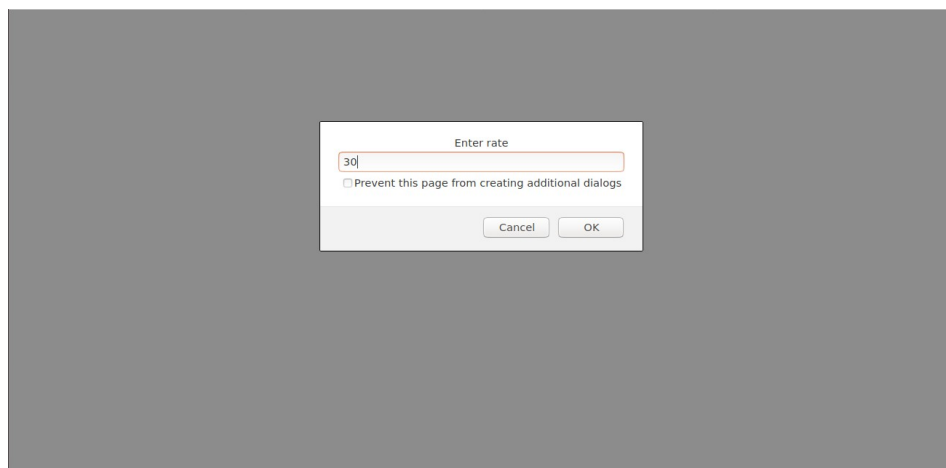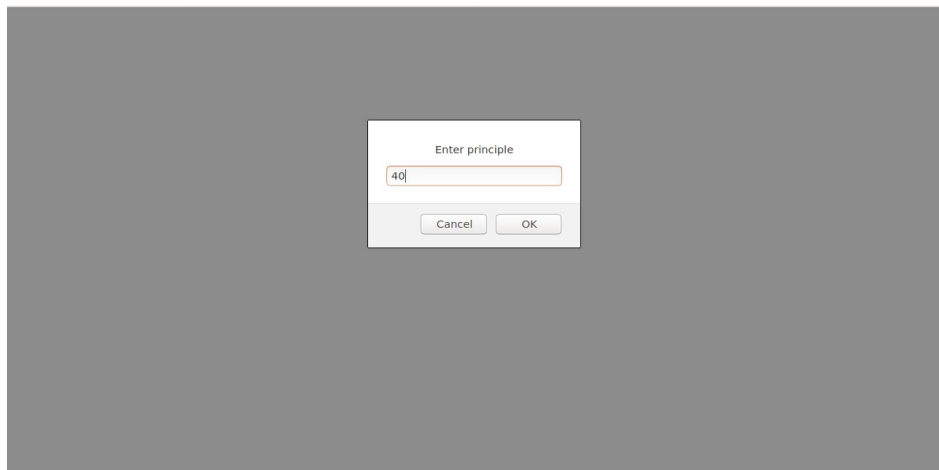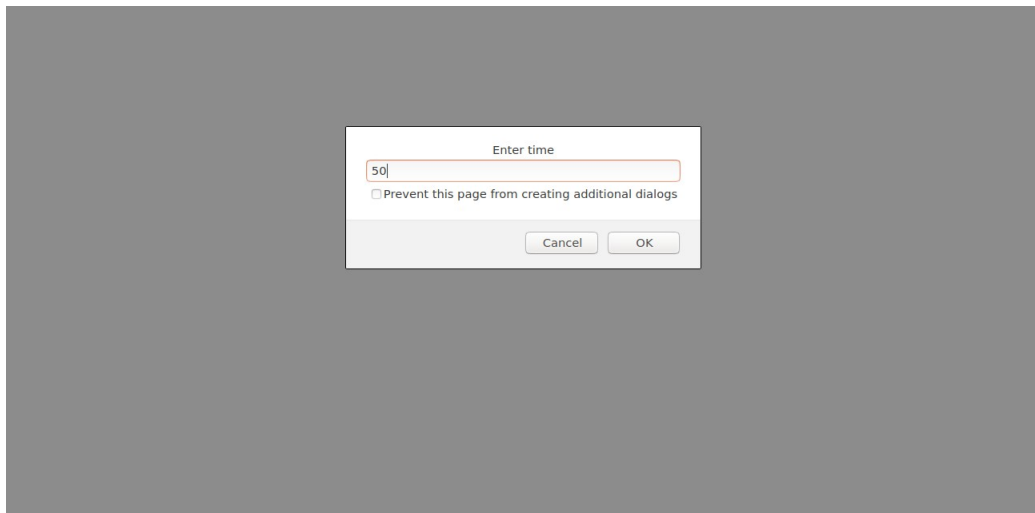
```html
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title></title>
<script type="text/javascript">
 var p=prompt("Enter principle");
 var r=prompt("Enter rate");
 var t=prompt("Enter time");
 var si=(p*r*t)/100;
 document.write("Your simple interest is",si);
</script>
  </head>
  <body>
  </body>
</html>
```

Enter time

50

Prevent this page from creating additional dialogs

Cancel   OK

Your simple interest is600

Q-2 Is palindrome string
```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title></title>
    <script type="text/javascript">
    function pallindrome(ptr)
    {
    var a=prompt("Enter a string");
    var str=a.length;
    var div=Math.floor(str/2);

    for(var i=0;i<div;i++)
    {
      if(a[i]!==a[str-1-i])
      {
        return false;
      }
    }
      return true;
```

```
}
  document.write(pallindrome("pt"));
  </script>
 </head>
 <body>
</body>
</html>
```
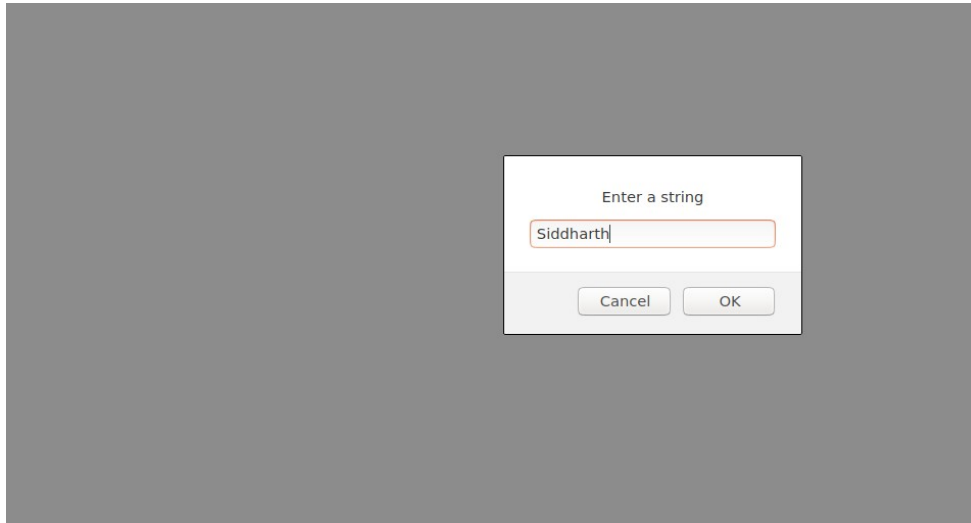


```
false
```
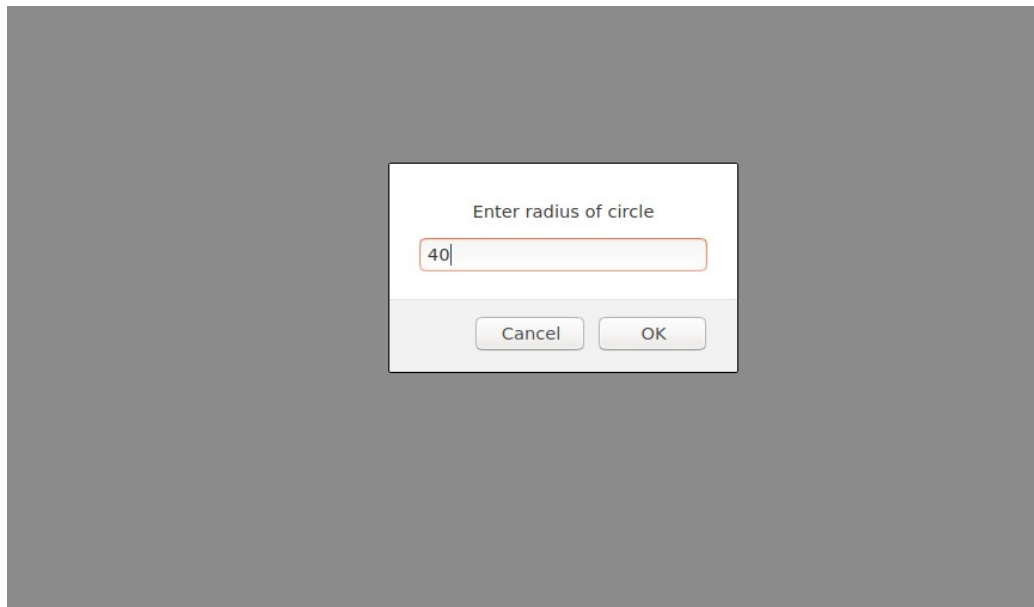
Q-3 Area of circle

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title></title>
    <script>
     var r=prompt("Enter radius of circle");
     var z=(22/7)*r*r;
     document.write("Area of circle is:",z);
     </script>
  </head>
  <body>
  </body>
</html>
```

Enter radius of circle

40

Cancel   OK

Area of circle is:5028.571428571428

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

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title></title>
    <script type="text/javascript">
     var abc={name:"Siddharth",age:23,gender:"Male"};
     var xyz=Object.assign({},abc);
     console.log(xyz);
    </script>
  </head>
  <body>
  </body>
</html>
```

```
🗑  ▽ Filter Output

   ▼ {…}
   |   age: 23
   |   gender: "Male"
   |   name: "Siddharth"
   | ▶ <prototype>: Object { … }
 »
```

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

- Name, age, salary ,DOB

var obj1=[{name:"Siddharth",age:"23",salary:15000,date:"29-Dec-1996"},

{name:"Sandeep",age:"24",salary:800,date:"30-Nov-1995"},

{name:"Salman",age:"25",salary:2000,date:"2-Jan-1994"}]

- filter all employees with salary greater than 5000

[{"name":"Siddharth","age":"23","salary":15000,"date":"29-Dec-1996"}]

- 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.

```
▼ (1) […]
  ▼ 0: {…}
  |    age: "24"
  |    date: "30-Nov-1995"
  |    name: "Sandeep"
  |    salary: 4000
  | ▶ <prototype>: Object { … }
  |  length: 1
  ▶ <prototype>: Array []
```