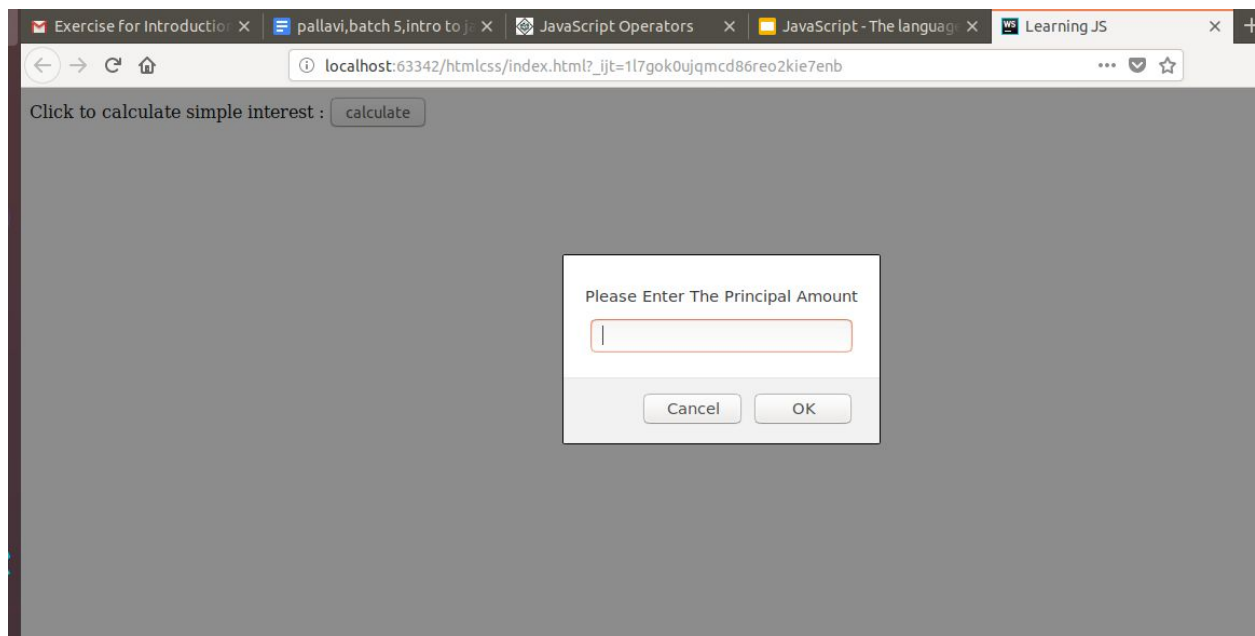


1. Prompt for amount, interest rate and no. of years and calculate simple interest.

```
app.js x index.html x
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Learning JS</title>
  <script type="text/javascript">
    function simint()
    {
      var p,r,t;
      p=prompt("Please Enter The Principal Amount");
      r=prompt("Please enter the rate");
      t=prompt("plese enter the time in year");
      var si=(p*r*t)/100;
      document.write("Calculated simple interest is : " + si)
    }
  </script>
</head>
<body>
  Click to calculate simple interest :
  <input type="button" onclick="simint()" value="calculate" />
</body>
</html>
```





Similarly all the three prompt will open and result will be:

Calculated simple interest is : 40

2. is palindrome string

```
pp.js x index.html x
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Learning JS</title>
  <script type="text/javascript">
    function pallindrome() {
      var str = prompt("enter string to be checked");
      var len = str.length;
      for (var i = 0; i < len / 2; i++) {
        if (str[i] !== str[len - 1 - i]) {
          document.write(" Given string is not a pallindrome ");
          break;
        } else {
          document.write(" Given string is a pallindrome ");
          break;
        }
      }
    }
  </script>
</head>
<body>
  Click to check the string :
  <input type="button" onclick="pallindrome()" value="check" />
</body>
</html>
```

Output :



Given string is a pallindrome

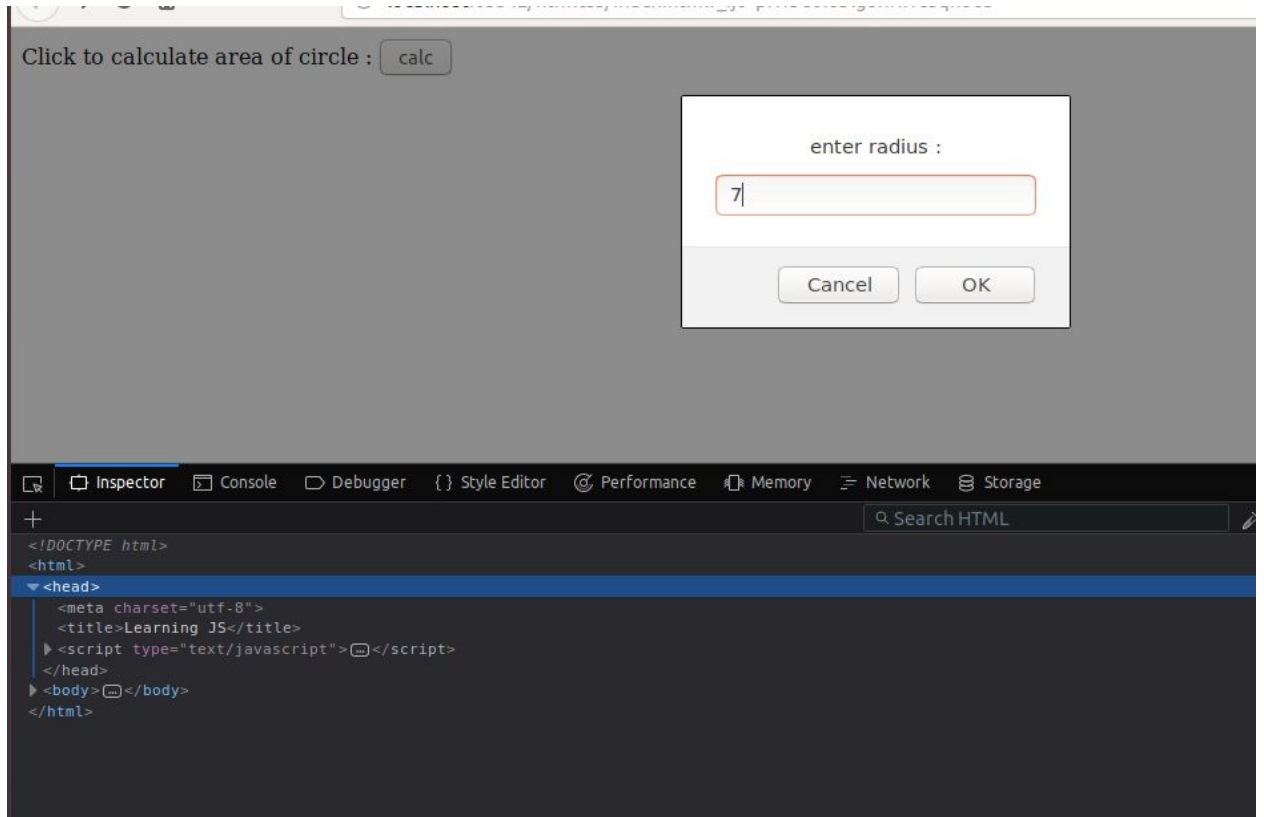
3. Area of circle

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Learning JS</title>
  <script type="text/javascript">
    function circle() {

      var r = prompt("enter radius :");
      var area=(3.17*r*r);
      document.write("Area of circle is : " + area)

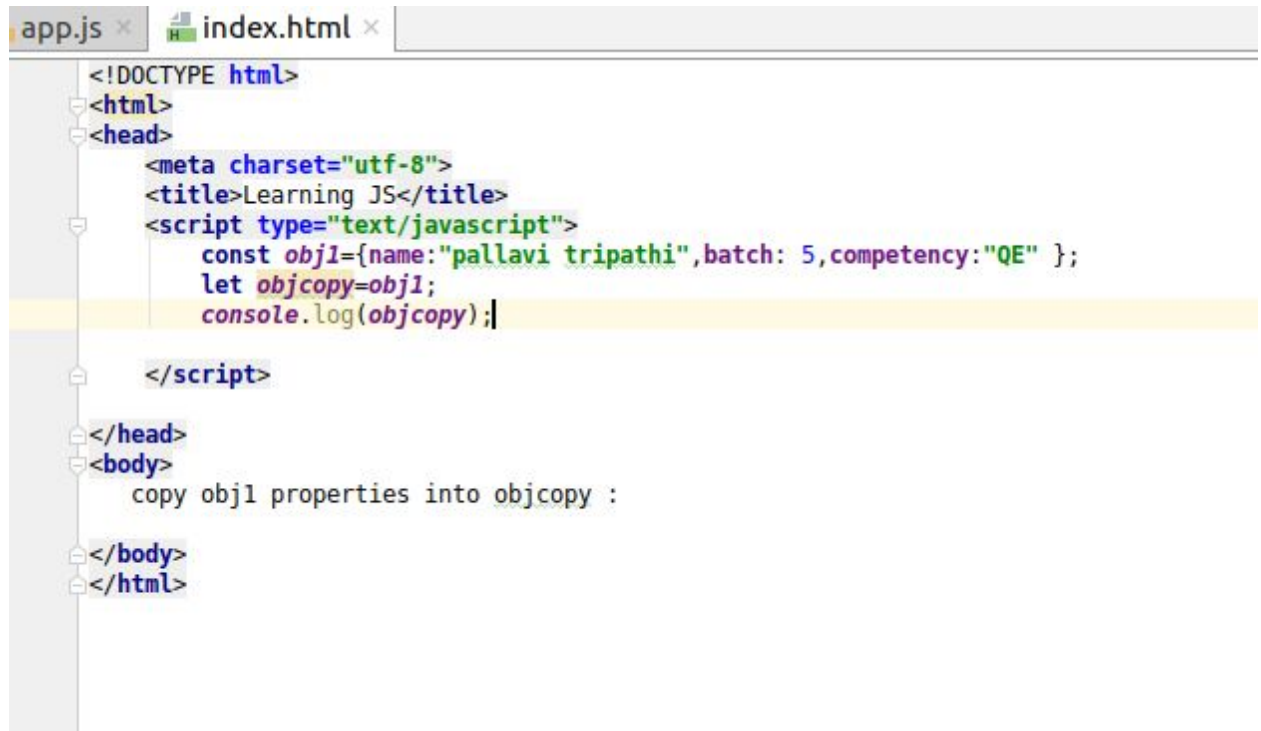
    }
  </script>
</head>
<body>
  Click to calculate area of circle :
  <input type="button" onclick="circle()" value="calc" />
</body>
</html>
```

Output:



Area of circle is : 155.32999999999998

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

A screenshot of a web browser window. The address bar shows 'index.html'. The page content is an HTML document with a head section containing a meta charset, a title 'Learning JS', and a script block. The script block contains JavaScript code that creates an object 'obj1' with properties 'name', 'batch', and 'competency', copies it to 'objcopy', and logs it to the console. The body section contains the text 'copy obj1 properties into objcopy :'.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Learning JS</title>
  <script type="text/javascript">
    const obj1={name:"pallavi tripathi",batch: 5,competency:"QE" };
    let objcopy=obj1;
    console.log(objcopy);
  </script>
</head>
<body>
  copy obj1 properties into objcopy :
</body>
</html>
```

5. create a list of objects of Employee with info as follow :
 - Name, age, salary ,DOB

```
s x index.html x
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Learning JS</title>
  <script type="text/javascript">
    var obj1={Name:"pallavi",Age:23,Salary: 2000,DOB:"24/03/1996"}
    var obj2={Name:"anuja",Age:22,Salary: 5000,DOB:"22/11/1997"};
    var obj3={Name:"paul",Age:23,Salary: 20000,DOB:"25/10/1996"};
    var obj14={Name:"anu",Age:24,Salary: 10000,DOB:"20/02/1995"};
    console.log(obj1,obj2,obj3,obj14);

  </script>
</head>
<body>
  copy obj1 properties into objcopy :

</body>
</html>
```

output:

```
Inspector Console Debugger {} Style Editor Performance Memory Network Storage
Filter output
Errors Warnings Logs Info Debug CSS XHR Requests
  ▶ Object { Name: "pallavi", Age: 23, Salary: 2000, DOB: "24/03/1996" } ▶ Object { Name: "anuja", Age: 22, Salary: 5000, DOB: "22/11/1997" }
  ▶ Object { Name: "paul", Age: 23, Salary: 20000, DOB: "25/10/1996" } ▶ Object { Name: "anu", Age: 24, Salary: 10000, DOB: "20/02/1995" }
```

- filter all employees with salary greater than 5000

```
app.js x index.html x
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Learning JS</title>
  <script type="text/javascript">
    var obj1={Name:"pallavi",Age:23,Salary: 2000,DOB:"24/03/1996"}
    var obj2={Name:"anuja",Age:22,Salary: 5000,DOB:"22/11/1997"};
    var obj3={Name:"paul",Age:23,Salary: 20000,DOB:"25/10/1996"};
    var obj4={Name:"anu",Age:24,Salary: 10000,DOB:"20/02/1995"};

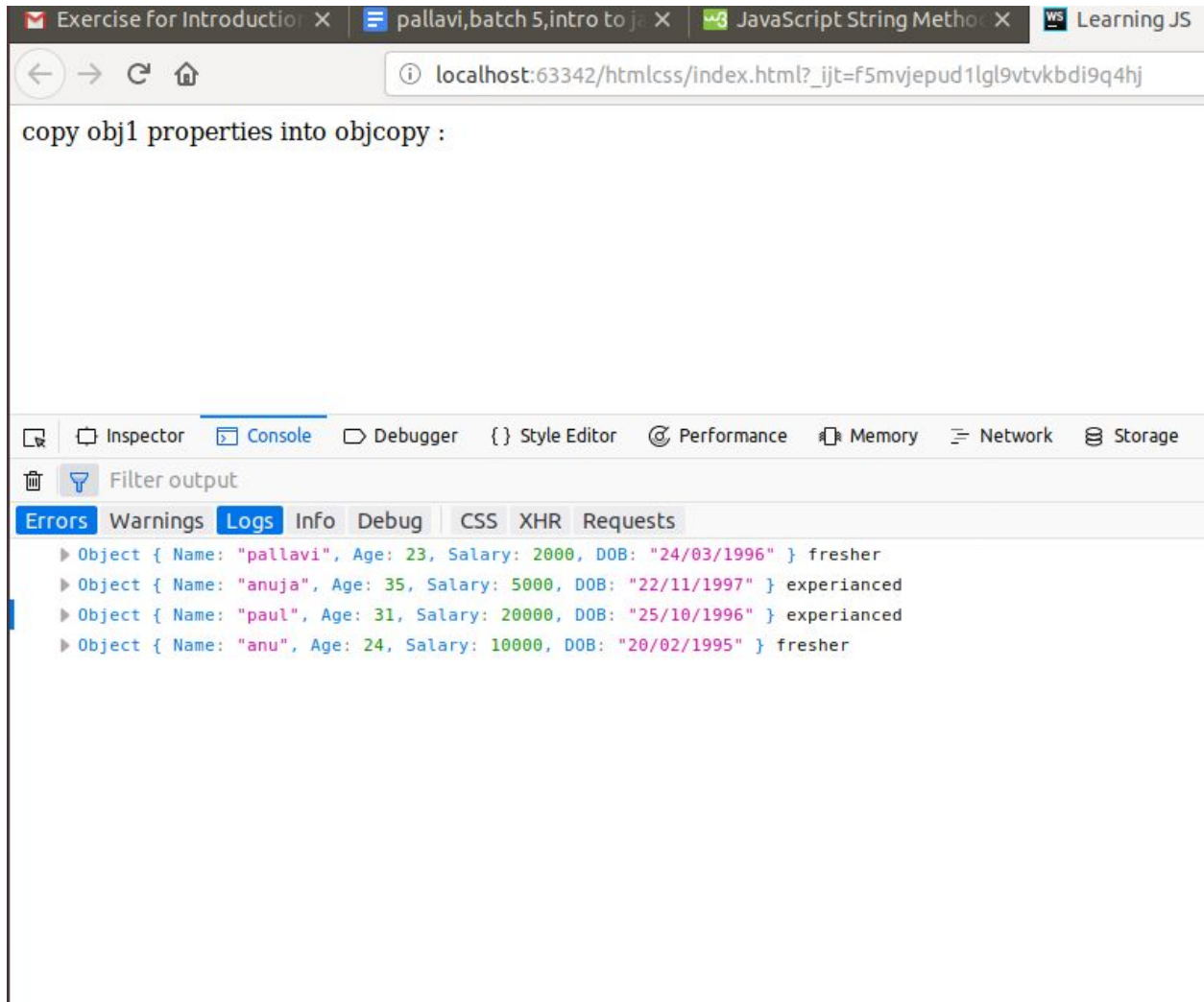
    var o=[obj1,obj2,obj3,obj4];
    for(var i=0;i<=4;i++) {
      if (o[i].Salary > 5000) {
        console.log(o[i]);
      }
    }
  </script>
</head>
<body>
  copy obj1 properties into objcopy :
</body>
</html>
```

```
Filter output
Errors Warnings Logs Info Debug CSS XHR Requests
▶ Object { Name: "paul", Age: 23, Salary: 20000, DOB: "25/10/1996" }
▶ Object { Name: "anu", Age: 24, Salary: 10000, DOB: "20/02/1995" }
▲ ▶ TypeError: o[i] is undefined [Learn More]
```

- group employee on the basis of their age


```
app.js x index.html x
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Learning JS</title>
  <script type="text/javascript">
    var obj1={Name:"pallavi",Age:23,Salary: 2000,DOB:"24/03/1996"}
    var obj2={Name:"anuja",Age:35,Salary: 5000,DOB:"22/11/1997"};
    var obj3={Name:"paul",Age:31,Salary: 20000,DOB:"25/10/1996"};
    var obj4={Name:"anu",Age:24,Salary: 10000,DOB:"20/02/1995"};

    var o=[obj1,obj2,obj3,obj4];
    for(var i=0;i<=3;i++) {
      if (o[i].Age > 30) {
        console.log(o[i],"experianced");
      }
      else
      {
        console.log(o[i],"fresher")
      }
    }
  </script>
</head>
<body>
  copy obj1 properties into objcopy :
</body>
</html>
```



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

app.js ×

index.html ×

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Learning JS</title>
  <script type="text/javascript">
    var obj1={Name:"pallavi",Age:19,Salary: 800,DOB:"24/03/1996"}
    var obj2={Name:"anuja",Age:35,Salary: 900,DOB:"22/11/1997"};
    var obj3={Name:"paul",Age:20,Salary: 20000,DOB:"25/10/1996"};
    var obj4={Name:"anu",Age:24,Salary: 10000,DOB:"20/02/1995"};

    var o=[obj1,obj2,obj3,obj4];
    for(var i=0;i<=3;i++) {
      if (o[i].Age > 20 && o[i].Salary<1000) {
        console.log(o[i]);
        o[i].Salary=5*o[i].Salary;
        console.log(o[i]);
      }
    }
  </script>
</head>
<body>
  copy obj1 properties into objcopy :
</body>
</html>
```

Exercise for Introduction X | pallavi,batch 5,intro to js X | JavaScript String Methods

localhost:63342/htmlcss/index.html?_ijt=82j5r7c2fm2

copy obj1 properties into objcopy :

Inspector Console Debugger Style Editor Performance Memory

Filter output

Errors Warnings Logs Info Debug CSS XHR Requests

- ▶ Object { Name: "anuja", Age: 35, Salary: 900, DOB: "22/11/1997" }
- ▶ Object { Name: "anuja", Age: 35, Salary: 4500, DOB: "22/11/1997" }