NEW SUMMIT COLLEGE

(Affiliated to Tribhuvan University)

Lab Report of

SCRIPTING LANGUAGE

(BCA-Department of Humanities)

Submitted by:

Name:

Roll No:

Semester:

Faculty: Humanities

Level: Bachelor

Program: BCA

Submitted to:

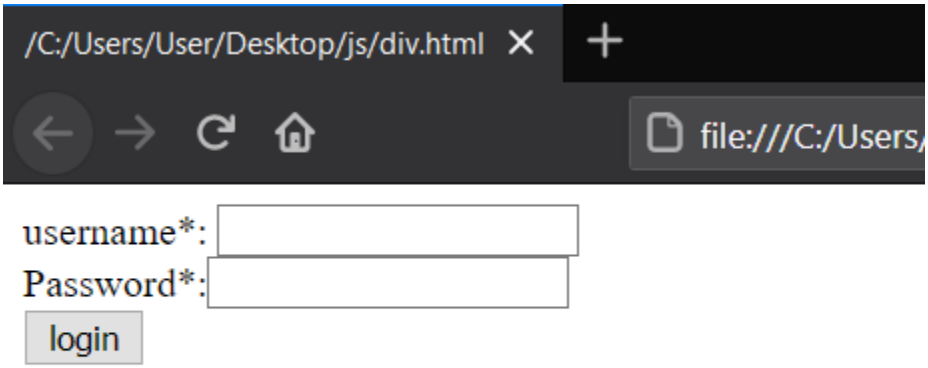
Instructor:

Date of Submission:

LAB 1

```
<!DOCTYPE html>
   <html>
      <head>
      <script language="javascript">
      <div>
   function fun3()
      {
         var  uname = document.form.uname.value;
         var password = document.form.password.value;


      }
      </div>

   </script>
   </head>
   <body>
      <div>
      <form name ="form">
         username*: <input type ="text" name = "uname"/><br>
         Password*:<input type="password" name = "password"><br>
         <input type="button" value="login" onClick = "fun3();" >
      </form>

      </div>
      <h1 onclick="fun2();"/> </h1>
   </body>
   </html>
```

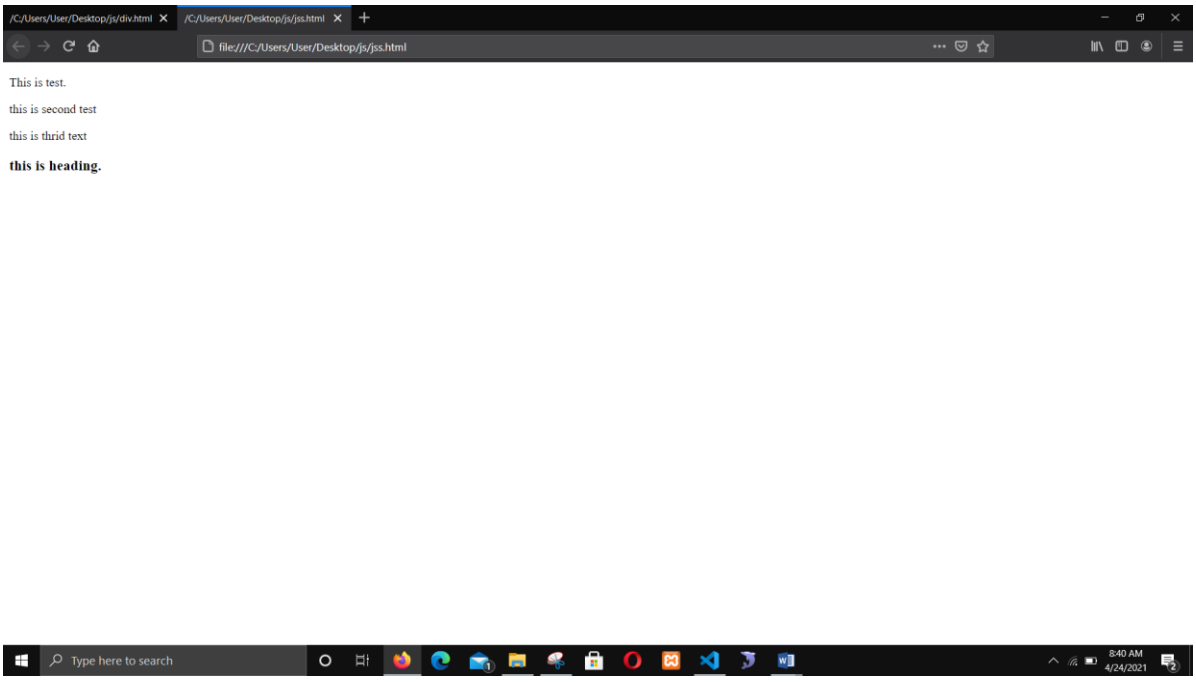
OUTPUT


/C:/Users/User/Desktop/js/div.html
file:///C:/Users/
username*:
Password*:
login

LAB 2

```
<!DOCTYPE html>
<html>
<head>
   <script src="jquary.js"></script>
   <script>
      $(document).ready (function(){
      alert('hello world');
      });
       </script>
</head>
<body>
   <p> This is test.</p>
</body>
</html>
```

Output



LAB 3

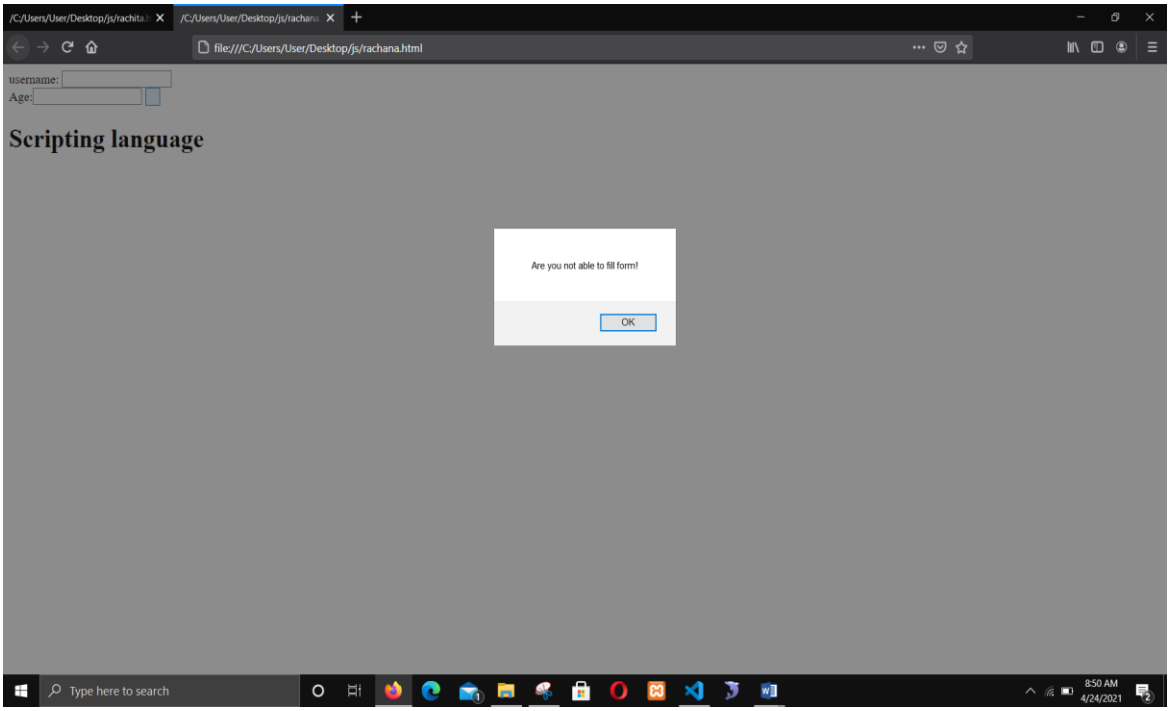
```
<!DOCTYPE html>
<html>
   <head>
<script src="jquary.js"></script>
<script>
   $(document).ready (function(){
       //alert('hello world');
          $("p").click(function(){
          $("#p4").hide();
          $("#p4").toggle();
          $("#p4").show(2000);
          $("#p4").fadeTo(5000);
          $("#p4").fadeOut(5000);
          $("#p4").fadeIn(5000);
   });
});
 </script>
</head>
<body>
   <p id="p4" style="display:name;">this is 4th paragraph
      <img  hight="200" width="500"src="IMG_20200802_170431.jpg"/></p>
</body>
</html>
```

LAB 4

```
<!DOCTYPE html>
<html>
   <head>
      <script language="javascript">
  function fun3()
   {
      var uname=document.form.uname.value;
      if(uname == 'ram')
      {
         message = 'welcome to my website';
         return message;
      }
      else
      {
         message = 'Invalid user';
        return message;


      }
       function check_age()
   {
      var age = document.form.age.value;
      if(age >=10)
      {
         alert('welcome');


      }
      else
```

```
        {
            alert('Are you not able to fill form!');
        }
    }
    function funReadSession()
    {
        var mymessage = localStorage.getItem("per");
        alert('mymessage');
    }

</script>
<script src=function.js> </script>
</head>
<body>
    <form name ="form">
        username: <input type ='text' name="uname"/>
      <br>
      Age:<input type="text" name="age">
        <input type="button" onclick="check_age();">

    </form>
    <h1 click="fun2();"> Scripting language</h1>
</body>
</html>
```

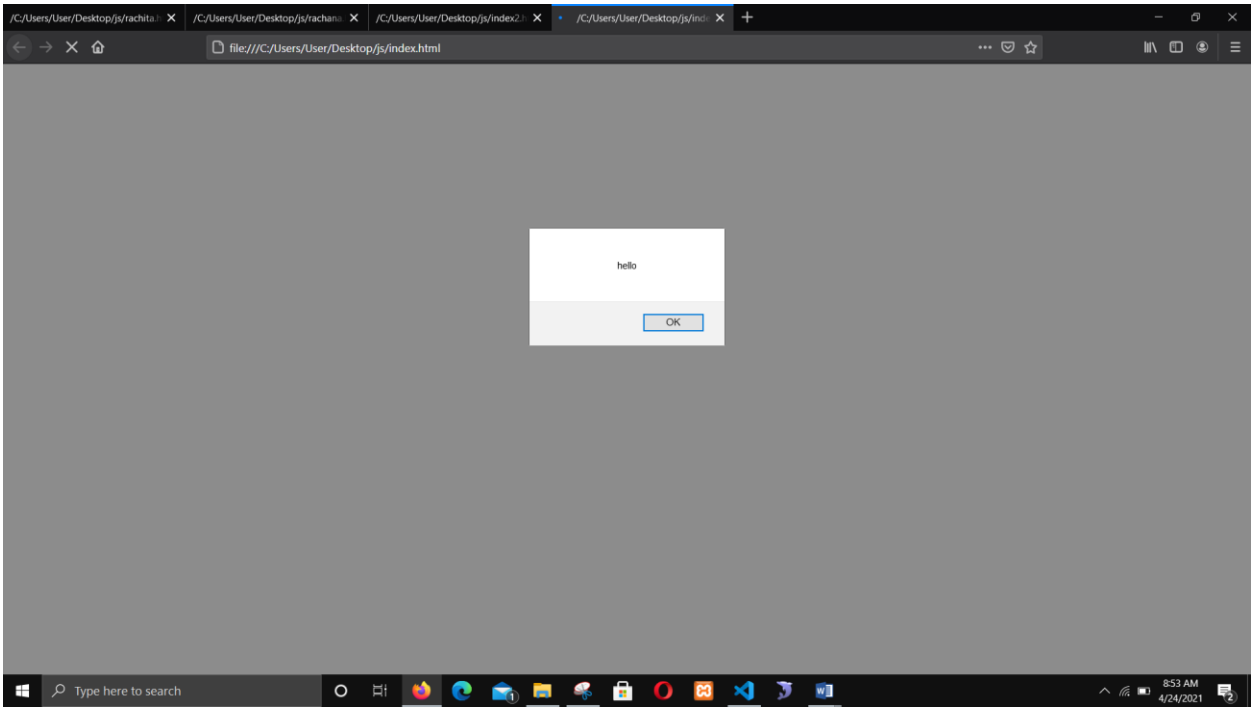
Output


file:///C:/Users/User/Desktop/js/rachana.html
username:
Age:
Scripting language
Are you not able to fill form!
OK
Type here to search
8:50 AM
4/24/2021

LAB 5

```
<!Doctype html>
<html>
   <head>
      <script scr="function.js"></script>
      <script>
         alert ("hello");
      </script>

      <h1>hello world.....</h1>
   </head>
<script language="javascript">
   function fun1(name)
   {
      var greeting='hello';
      alert(greeting + " " + name);
   }
</script>

<!----
<body>
   <input type="button" onclick="alert('hello');">
   <input type="button" onclick="confirm{'are you sure');"/>
   <input type="button" onclick="fun1('ram');"/>
   <h1 onclick="fun2();"/> this is javascript</h1>
</body>
-->
</html>
```

OUTPUT


file:///C:/Users/User/Desktop/js/index.html
hello
OK
Type here to search
8:53 AM
4/24/2021

LAB 6

UPLOAD FILE

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<form action="uploadfile.php "method="post"  enctype="multipart/form-data">
      select file<input type="file" name="mypic"><br>
<input type="submit" value="upload file">
</form>
</body>
</html>
<?php
$file_location =basename($_FILES['mypic']['name']);
echo $file_location;
move_uploaded_file($_FILES ['mypic']['tmp_name'],$file_location);
?>
```

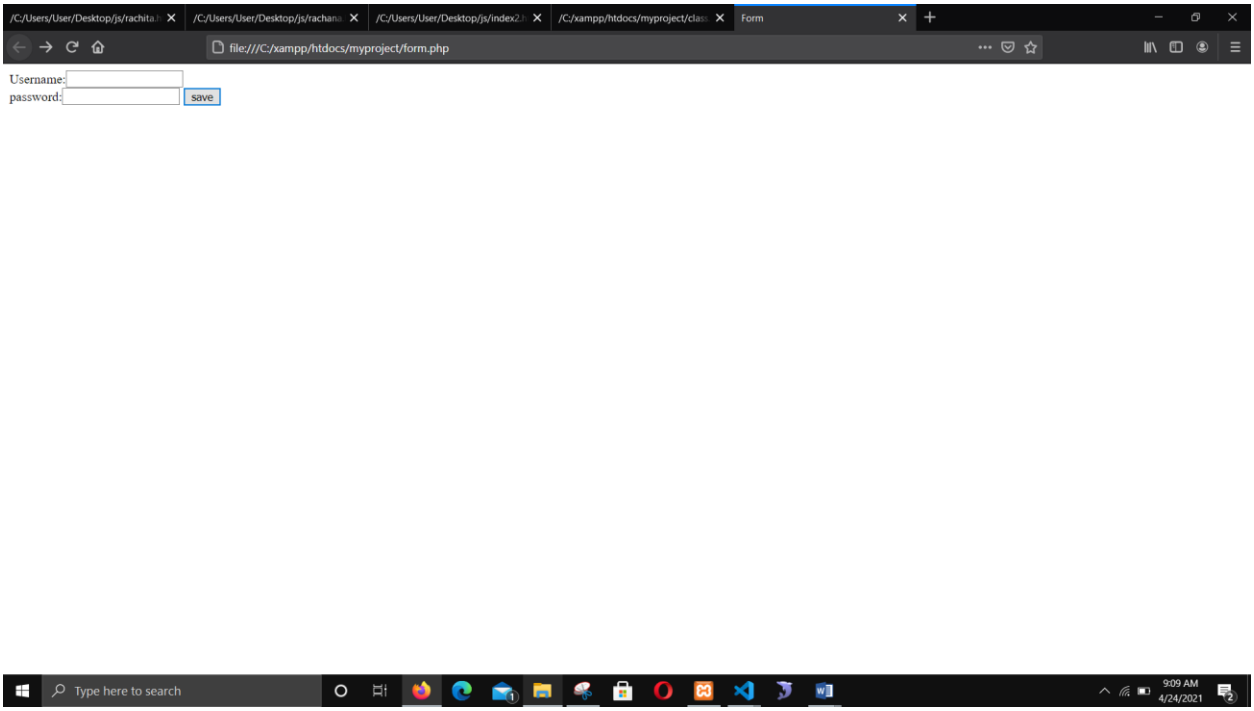
Output

LAB 7

```
<!DOCTYPE html>
<html>
<head>
    <title>Form</title>
</head>
<body>
    <form action="echo.php" method="GET">
        Username:<input type="text"  name="uname"> <br>
        password:<input type="password"  name="password">
      <input type="submit"  value="save">
</form>
</body>
</html>
```

```
<?php
$conn = mysqli_connect("localhost","root","","test");
$user = $_GET['uname'];
$password =md5 ($_GET['password']);
$sql = "insertinto testtable(username,password)
values ('$user' , '$password')";
mysqli_query($conn,$sql);
echo "saved";
?>
```

Output

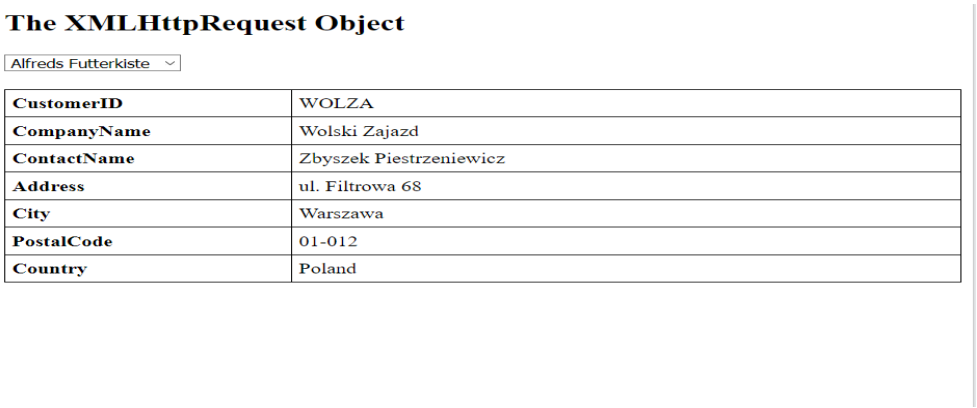

Form
file:///C:/xampp/htdocs/myproject/form.php
Username:
password:
save
Type here to search
9:09 AM
4/24/2021

LAB 8

```
//AJAX WITH DATABASE
<!DOCTYPE html>
<html>
<style>
table,th,td {
  border : 1px solid black;
  border-collapse: collapse;
}
th,td {
  padding: 5px;
}
</style>
<body>

<h2>The XMLHttpRequest Object</h2>

<form action="">
  <select name="customers" onchange="showCustomer(this.value)">
    <option value="">Select a customer:</option>
    <option value="ALFKI">Alfreds Futterkiste</option>
    <option value="NORTS ">North/South</option>
    <option value="WOLZA">Wolski Zajazd</option>
  </select>
</form>
<br>
<div id="txtHint">Customer info will be listed here...</div>
```

```
<script>
function showCustomer(str) {
  var xhttp;
  if (str == "") {
    document.getElementById("txtHint").innerHTML = "";
    return;
  }
  xhttp = new XMLHttpRequest();
  xhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
      document.getElementById("txtHint").innerHTML = this.responseText;
    }
  };
  xhttp.open("GET", "getcustomer.php?q="+str, true);
  xhttp.send();
}
</script>
</body>
</html>
```

OUTPUT



The XMLHttpRequest Object

Alfreds Futterkiste

CustomerID	WOLZA
CompanyName	Wolski Zajazd
ContactName	Zbyszek Piestrzeniewicz
Address	ul. Filtrowa 68
City	Warszawa
PostalCode	01-012
Country	Poland

LAB 9

//Document object model in JavaScript

```
 <script type="text/javascript">
function printvalue(){
var name=document.form1.name.value;
alert("Welcome: "+name);
}
</script>

<form name="form1">
Enter Name:<input type="text" name="name"/>
<input type="button" onclick="printvalue()" value="print name"/>
</form>
```

Output

Lab 10

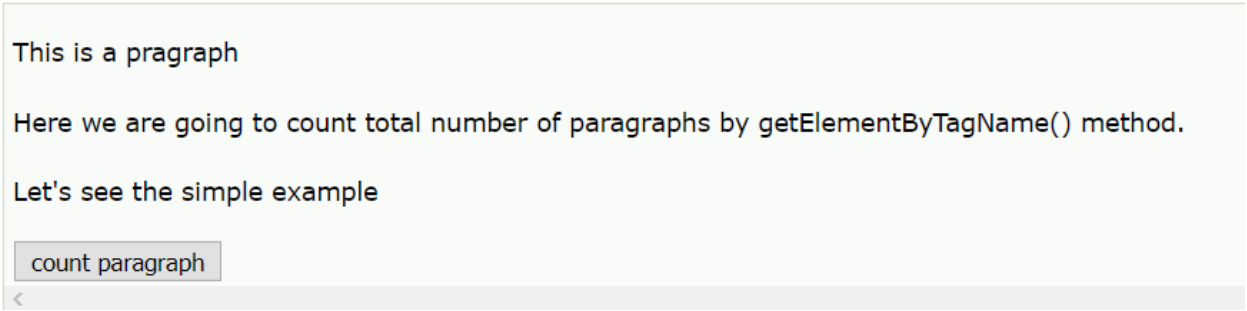
```
<script type="text/javascript">

function getcube(){

var number=document.getElementById("number").value;

alert(number*number*number);

}

</script>

<form>

Enter No:<input type="text" id="number" name="number"/><br/>

<input type="button" value="cube" onclick="getcube()"/>

</form>
```

Output

Lab 11

```
<script type="text/javascript">

function countpara(){

var totalpara=document.getElementsByTagName("p");

alert("total p tags are: "+totalpara.length);



}

</script>

<p>This is a pragraph</p>

<p>Here we are going to count total number of paragraphs by getElementByTagName() met
hod.</p>

<p>Let's see the simple example</p>

<button onclick="countpara()">count paragraph</button>
```

Output



Lab 12

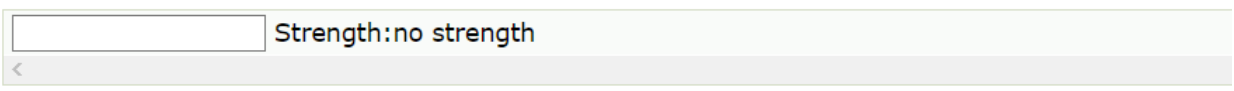
```
 <script type="text/javascript" >

function showcommentform() {

var data="Name:<input type='text' name='name'><br>Comment:<br><textarea rows='5' cols
='80'></textarea>

<br><input type='submit' value='Post Comment'>";

document.getElementById('mylocation').innerHTML=data;

}

</script>

<form name="myForm">

<input type="button" value="comment" onclick="showcommentform()">

<div id="mylocation"></div>

</form>
```

Output

Lab 13

```
<script type="text/javascript" >

function validate() {

var msg;

if(document.myForm.userPass.value.length>5){

msg="good";

}

else{

msg="poor";

}

document.getElementById('mylocation').innerText=msg;

 }


</script>

<form name="myForm">

<input type="password" value="" name="userPass" onkeyup="validate()">

Strength:<span id="mylocation">no strength</span>

</form>
```

Output



Lab 14

```
//JavaScript email validation

<html>

<body>

<script>

function validateemail()

{

var x=document.myform.email.value;

var atposition=x.indexOf("@");

var dotposition=x.lastIndexOf(".");

if (atposition<1 || dotposition<atposition+2 || dotposition+2>=x.length){

  alert("Please enter a valid e-mail address \n atpostion:"+atposition+"\n
dotposition:"+dotposition);

  return false;

  }

}

</script>

<body>

<form name="myform"  method="post"
action="http://www.javatpoint.com/javascriptpages/valid.jsp" onsubmit="return
validateemail();">

Email: <input type="text" name="email"><br/>



<input type="submit" value="register">
```

```
</form>

</body>

</html>
```

Output

Lab 15

JavaScript in OOP

```
//Class declaration
<!DOCTYPE html>
<html>
<body>

<script>
//Declaring class
class Employee
  {
//Initializing an object
    constructor(id,name)
    {
      this.id=id;
      this.name=name;
    }
//Declaring method
    detail()
    {
  document.writeln(this.id+" "+this.name+"<br>")
    }
  }
//passing object to a variable
var e1=new Employee(101,"Martin Roy");
var e2=new Employee(102,"Duke William");
```

```
e1.detail(); //calling method
e2.detail();
</script>


</body>
</html>
```

Output

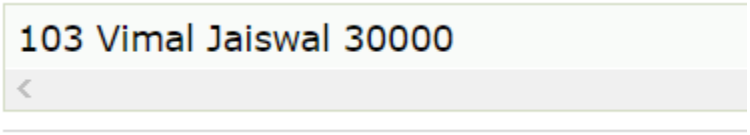
```
101 Martin Roy
102 Duke William
```

Lab 16

//Object in javascript

```
<script>
function emp(id,name,salary){
this.id=id;
this.name=name;
this.salary=salary;
}
e=new emp(103,"Vimal Jaiswal",30000);

document.write(e.id+" "+e.name+" "+e.salary);
</script>
```

Output



Lab 17

//constructor in java script

```
<!DOCTYPE html>
<html>
<body>

<script>
class Employee {
  constructor() {
    this.id=101;
    this.name = "Martin Roy";
  }
}
var emp = new Employee();
document.writeln(emp.id+" "+emp.name);
</script>

</body>
</html>
```

Output

101 Martin Roy

Lab 18

```
<!DOCTYPE html>
<html>
<body>

<script>
class Test
{
  static display1()
  {
    return "static method is invoked"
  }
  static display2()
  {
    return "static method is invoked again"
  }
}
document.writeln(Test.display1()+"<br>");
document.writeln(Test.display2());
</script>
</body>
</html>
```

Output

static method is invoked
static method is invoked again

Lab 19

//encapsulation in java script

```
<script>
class Student
  {
    constructor()
    {
      var name;
      var marks;
    }
       getName()
       {
         return this.name;
       }
      setName(name)
      {
        this.name=name;
      }

      getMarks()
      {
        return this.marks;
      }
```

```
    setMarks(marks)
    {
      this.marks=marks;
    }


    }
    var stud=new Student();
     stud.setName("John");
     stud.setMarks(80);
     document.writeln(stud.getName()+" "+stud.getMarks());
</script>
```

Output:

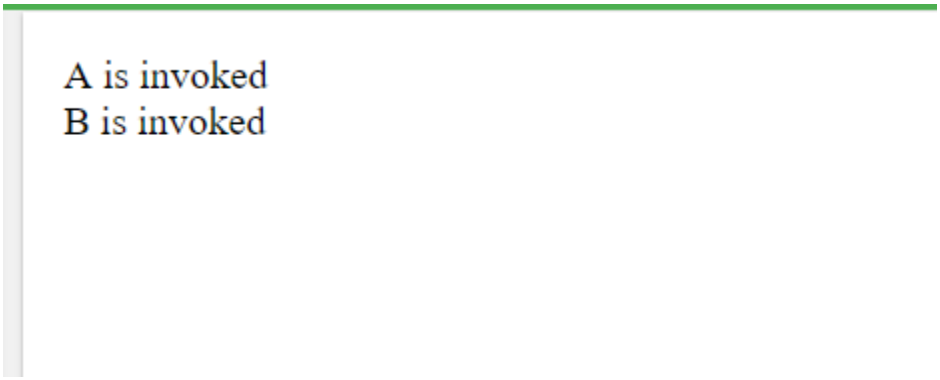
```
John 80
```

Lab 20

```
//polymorphism in java script

<!DOCTYPE html>
<html>
<body>

<script>
class A
  {
     display()
    {
      document.writeln("A is invoked<br>");
    }
  }
class B extends A
  {
    display()
    {
      document.writeln("B is invoked");
    }
  }

var a=[new A(), new B()]
a.forEach(function(msg)
{
msg.display();
});
```

```
</script>


</body>
</html>
```

Output



Lab 21

```
//date
<html>
<body>
Current Date and Time: <span id="txt"></span>
<script>
var today=new Date();
document.getElementById('txt').innerHTML=today;
</script>
</body>
</html>
```

Output

Current Date and Time: Sat Apr 24 2021 11:14:04 GMT+0545 (Nepal Time)

Lab 22

```
//changing picture in java script
<!DOCTYPE html>
<html>
        <head>
                <title>Demo</title>
        </head>
<body>
        <h1>Changing the Image</h1>
   <img src="http://techfunda.com/HTPictures/Generics/5-635898849972807270.JPG" id="myImage" width="100" height="150">
   <input type="button" onclick="changeImage()" value="Change" />
   <script>
      function changeImage() {
         var image = document.getElementById('myImage');
         if (image.src.match("635898850094838508.JPG")) {
            image.src = "/HTPictures/Generics/5-635898849972807270.JPG";
         }
         else {
            image.src = "/HTPictures/Generics/5-635898850094838508.JPG";
         }
      }
   </script>
<p><strong>Note:</strong> Click on the "Change" button to Change the water bottle in to the soft drink bottle</p>
</body>
</html>
```

Output

Changing the Image

Change

Note: Click on the "Change" button to Change the water bottle in to the soft drink bottle

After change

Changing the Image

Change

Note: Click on the "Change" button to Change the water bottle in to the soft drink bottle