

## Set -1:

### String palindrome

```
function plon(){
    x=document.getElementById("t1").value;
    var s=0,n=x;
    while(x>0){
        s=s*10+x%10;
        x=parseInt(x/10);
    }
    if(s==parseInt(n)) alert(n+" is palindrome");
    else alert(n+" is not palindrome");
}
```

### Simple order form

## A Sample Order Form

Item	Price	Quantity	Total Price
DVD	19.99	2	39.98
CD	12.99	9	116.91
Diskette	1.99	24	47.76

### Program:

```
<html>
<body>
<%! String Items[]={"DVD","CD","Diskette"};

    double price[]={19.99,12.99,1.99};

    int Quantity[]={2,9,24};

    double TotalPrice[]=new double[Items.length];    %>

<table border="1px">

<tr>

    <td>Item</td>

    <td> Price </td>
```

```
        <td>Quantity</td>
        <td>Total Price </td>
    </tr>
    <%   for(int i=0;i<Items.length;i++){
        TotalPrice[i]=price[i]*Quantity[i];   %>
        <tr>
        <td><% out.println(Items[i]); %></td>
        <td><% out.println(price[i]); %></td>
        <td><% out.println(Quantity[i]); %></td>
        <td><% out.println(TotalPrice[i]); %></td>
        </tr>
        <%} %>
    </table>
</body>
</html>
```

## Set -2:

### Angular js

```
<html>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>

<body>

<div ng-app="myApp" ng-controller="myCtrl">

  <p>The time is:</p>

  <h1>{{theTime}}</h1>

<p>This header will change after two seconds:</p>

<h1>{{myHeader}}</h1>

<p>The url of this page is:</p>

<h3>{{myUrl}}</h3>

</div>

<script>

var app = angular.module('myApp', []);

app.controller('myCtrl', function($scope, $timeout, $location, $interval) {

  $scope.myUrl = $location.absUrl();

  $scope.myHeader = "Hi";

  $scope.theTime = new Date().toLocaleTimeString();

  $interval(function () {

    $scope.theTime = new Date().toLocaleTimeString();

  }, 1000);

  $timeout(function () {

    $scope.myHeader = "Hello";

  }, 2000);

  $timeout(function () {

    $scope.myHeader = "How are you today?";

  }, 4000);
```

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

## Factorial

### fact.html

```
<html>  
<body>  
<form action="Fact.jsp" method="post">  
  <input type="text" name="n"><br>  
  <input type="submit" >  
</form>  
</body>  
</html>
```

### fact.jsp

```
<!DOCTYPE html>  
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"  
  pageEncoding="ISO-8859-1"%>  
<!DOCTYPE html>  
<html>  
<body>  
<%! long a; %>  
<%!  long Fact(long n){
```

```
        if(n<=1)
            return 1;
        return n*Fact(n-1);
    } %>
<% a=Integer.parseInt(request.getParameter("n"));
    out.print("Factorial of "+a+" : "+Fact(a));%>
</body></html>
```

**Set 3**

**XML**

**XSLT**

## Set -4

**node js application using http,url,fs.**

### **abc.html**

```
<html>
<body>
<h1>ABC</h1>
<h4>This is abc.html file </h4>
<p>abc</p>
</body>
</html>
```

### **xyz.html**

```
<html>
<body>
<h1>XYZ</h1>
<h4> This is xyz.html file </h4>
<p>xyz</p>
</body>
</html>
```

### **Fileserver.js**

```
var http = require('http');
var url = require('url');
var fs = require('fs');
http.createServer(function (req, res) {
  var q = url.parse(req.url, true);
  var filename = "." + q.pathname;
```

```
fs.readFile(filename, function(err, data) {  
  if (err) {  
    res.writeHead(404, {'Content-Type': 'text/html'});  
    return res.end("404 Not Found");  
  }  
  res.writeHead(200, {'Content-Type': 'text/html'});  
  res.write(data);  
  return res.end();  
});  
}).listen(8080);
```

**Develop jsp program to handle http services**



## Set-5

### 1.Simple order form

```
<html>

<body>

<%! String Items[]={"DVD","CD","Diskette"};

    double price[]={19.99,12.99,1.99};

    int Quantity[]={2,9,24};

    double TotalPrice[]=new double[Items.length];    %>

<table border="1px">

<tr>

    <td>Item</td>

    <td> Price </td>

    <td>Quantity</td>

    <td>Total Price </td>

</tr>

<% for(int i=0;i<Items.length;i++){

    TotalPrice[i]=price[i]*Quantity[i];    %>

    <tr>

    <td><% out.println(Items[i]); %></td>

    <td><% out.println(price[i]); %></td>

    <td><% out.println(Quantity[i]); %></td>

    <td><% out.println(TotalPrice[i]); %></td>

</tr>

<%} %>

</table>

</body>

</html>
```

## 2.angularjs controller

```
<html>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>

<body>

<div ng-app="myApp" ng-controller="myCtrl">

  <p>The time is:</p>

  <h1>{{theTime}}</h1>

<p>This header will change after two seconds:</p>

<h1>{{myHeader}}</h1>

<p>The url of this page is:</p>

<h3>{{myUrl}}</h3>

</div>

<script>

var app = angular.module('myApp', []);

app.controller('myCtrl', function($scope, $timeout, $location, $interval) {

  $scope.myUrl = $location.absUrl();

  $scope.myHeader = "Hi";

  $scope.theTime = new Date().toLocaleTimeString();

  $interval(function () {

    $scope.theTime = new Date().toLocaleTimeString();

  }, 1000);

  $timeout(function () {

    $scope.myHeader = "Hello";

  }, 2000);

  $timeout(function () {

    $scope.myHeader = "How are you today?";

  }, 4000);

});

</script>
```

```
});
```

```
</script> </body> </html>
```

## Set-6

### JDBC(insert,update,delete)

#### home.html

```
<html>
<body>
  <h1>Welcome student database</h1>
  <p>choose an action:</p>
  <ul><li><a href="insert.html"> Insert</a></li>
    <li><a href ="update.html"> Update</a></li>
    <li><a href="delete.html"> Delete</a></li></ul>
</body>
</html>
```

#### insert.html

```
<html>
<body><form action="insert.jsp" method="Post">
  <h1 align="center">Insert</h1>
  <table align="center">
    <tr><td>Name :</td>
      <td><input type="text" name="sname"/></td></tr>
    <tr><td>Roll no:</td>
      <td><input type="text" name="srno"/></td></tr>
    <tr><td>cgpa :</td>
      <td><input type="text" name="cgpa"/></td></tr>
    <tr><td><input type="submit" value="insert" /></td>
      <td><input type="reset" value="clear"/></td></tr>
  </table>
</form>
```

```
</body>
```

```
</html>
```

### **insert.jsp**

```
<%@page import="java.sql.*" %>
```

```
<%
```

```
String name=request.getParameter("sname");
```

```
int rno=Integer.parseInt(request.getParameter("srno"));
```

```
String cgpa=request.getParameter("cgpa");
```

```
//out.println(name+" "+rno+" "+cgpa);
```

```
try{
```

```
    Class.forName("com.mysql.jdbc.Driver");
```

```
    Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/cai", "root",  
"root");
```

```
    PreparedStatement ps=con.prepareStatement("insert into std values(?,?,?)");
```

```
    ps.setInt(1, rno);
```

```
    ps.setString(2, name);
```

```
    ps.setString(3,cgpa);
```

```
    int i=ps.executeUpdate();
```

```
    if (i!=0){
```

```
        out.println("inserted..");
```

```
    }
```

```
    else{
```

```
        out.println("not inserted..");
```

```
    }
```

```
}
```

```
catch (Exception e){out.print(e);} 
```

```
%>
```

## update.html

```
<body>
  <form action="update.jsp" method="post">
    <h1 align="center"> Update </h1>
    <table align="center">
      <tr><td>Name:</td>
        <td><input type="text" name="sname"/></td>
      </tr>
      <tr><td>Roll no: </td>
        <td><input type="number" name="srno"/></td></tr>
      <tr><td>cgpa :</td>
        <td><input type="text" name="cgpa"/></td></tr>
      <tr><td><input type="submit" value="Update" /></td></tr>
    </table>
  </form>
</body>
```

## update.jsp

```
<%@page import="java.sql.*" %>
<%
String name=request.getParameter("sname");
int rno=Integer.parseInt(request.getParameter("srno"));
String cgpa=request.getParameter("cgpa");
try{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/cai", "root",
"root");
```

```

    PreparedStatement ps = con.prepareStatement("UPDATE std SET rno=?, cgpa=? WHERE
name=?");

    ps.setInt(1, rno);
    ps.setString(2, cgpa);
    ps.setString(3,name);
    int i=ps.executeUpdate();
    if (i!=0){
        out.println("updated..");
    }
    else{
        out.println("not updated..");
    }
}
catch (Exception e){out.print(e);}%>

```

### **delete.html**

```

<body>
    <form action="del.jsp" method="post">
        <h1 align="center" >Delete</h1>
        <table align="center">
            <tr><td>Name :</td>
                <td><input type="text" name="sname"/></td></tr>
            <tr><td><input type="submit" value="Delete"/></td></tr>
        </table>
    </form>
</body>

```

## **delete.jsp**

```
<%@page import="java.sql.*" %>

<% String name=request.getParameter("sname");

try{

    Class.forName("com.mysql.jdbc.Driver");

    Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/cai", "root",
"root");

    PreparedStatement ps = con.prepareStatement("DELETE FROM `std` WHERE name=?");
    ps.setString(1,name);

    int i=ps.executeUpdate();

    if (i!=0){

        out.println("Deleted..");

    }

    else{

        out.println("not Deleted..");

    }

}

catch (Exception e){out.print(e);}%>
```



## Set-7

### Validate registration form

#### JSP for date and time

```
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Date and Time</title>
</head>
<body>
<%@ page import="java.util.Date" %>
Today is: <%= new Date() %>
</body>
```

## Set 8

### Node js application using http url fs

```
<html>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>

<body>

<div ng-app="myApp" ng-controller="myCtrl">

  <p>The time is:</p>

  <h1>{{theTime}}</h1>

  <p>This header will change after two seconds:</p>

  <h1>{{myHeader}}</h1>

  <p>The url of this page is:</p>

  <h3>{{myUrl}}</h3>

</div>

<script>

var app = angular.module('myApp', []);

app.controller('myCtrl', function($scope, $timeout, $location, $interval) {

  $scope.myUrl = $location.absUrl();

  $scope.myHeader = "Hi";

  $scope.theTime = new Date().toLocaleTimeString();

  $interval(function () {

    $scope.theTime = new Date().toLocaleTimeString();

  }, 1000);

  $timeout(function () {

    $scope.myHeader = "Hello";

  }, 2000);

  $timeout(function () {
```

```
    $scope.myHeader = "How are you today?";  
    }, 4000);  
});  
</script> </body> </html>
```

**Css internal, external, inline**

## Set-10

Develop a JSP page that validates that Credentials given by the user in the login page

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
    <form method="post">
        <table>
            <tr>
                <td>User name: </td><td><input type="text"
name="user"/></td>
            </tr>
            <tr>
                <td> password:</td>
                <td>
                    <input type="password" name="pass"/>
                </td>
            </tr>
            <tr>
                <td>
                    <input type="submit" value="insert" />
                </td>
                <td>
                    <input type="reset" value="clear"/>
                </td>
            </tr>
        </table>
    </form>
</body>
</html>
```

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Welocome</title>
</head>
<body>
<%@page import="java.sql.*" %>
<%
    String user=request.getParameter("user");
    String pasw=request.getParameter("pass");
    try{
        Class.forName("com.mysql.jdbc.Driver");
```

```

        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/cai", "root",
"root");
        PreparedStatement ps=con.prepareStatement("select name from std where
name=? and rno=?");
        ps.setString(1,user);
        ps.setString(2,pasw);
        ResultSet rs=ps.executeQuery();
        if(rs.next()){
            %>
            <h1>
            welcome <% out.println(user); %>
            </h1>
            <a href="search.html">SHOW DATA</a>
            <a href="book.html">add books</a>
            <%
        }
        else{
            out.println("Failed");
        }

    }
    catch (Exception e){

    }

%>

</body>
</html>

```