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Seat no: 50002

Class : MCA-5

Set: 5

Subject: Web Technology

.....
"index.html"

```
<html>
```

```
    <head>
```

```
        <title>
```

```
            Vehicle Registration Form
```

```
        </title>
```

```
    </head>
```

```
    <body>
```

```
        <center><h2><u>Vehicle Registration form</u></h2>
```

```
        <form method="post" action="VehicleServlet">
```

```
            <table height="30%" width="30%">
```

```
                <tr>
```

```
                    <td><label>Enter registration number:</label></td>
```

```
                    <td><input type="text" name="registrationid"></td>
```

```
                <tr>
```

```
                <tr>
```

```
                    <td><label>Enter vehicle type:</label></td>
```

```
                    <td><input type="text" name="type"></td>
```

```

        <tr>
        <tr>
            <td><label>Enter owner name:</label></td>
            <td><input type="text" name="ownername"></td>
        <tr>
        <tr>
            <td><input type="submit" value="Register
vehicle"></td>
            <td><input type="reset" value="reset"></td>
        <tr>
    </table>
</form>
</center>
</body>
</html>

```

.....

“VehicleDetail.java”

```

package vehicle;

public class VehicleDetail{
    int registrationid;
    String type,ownername;

    public void setRegistrationid(int registrationid){
        this.registrationid=registrationid;
    }
}

```

```
public void setType(String type){
    this.type=type;
}

public void setOwnername(String ownername){
    this.ownername=ownername;
}

public int getRegistrationid(){
    return this.registrationid;
}

public String getType(){
    return this.type;
}

public String getOwnername(){
    return this.ownername;
}

}
.....
```

“VehicleServlet.java”

```
package vehicle;

import java.io.*;

import java.sql.*;

import javax.servlet.ServletException;

import javax.servlet.RequestDispatcher;

import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


public class VehicleServlet extends HttpServlet{

    protected void doPost(HttpServletRequest request,HttpServletResponse response)throws
ServletException,IOException{

        response.setContentType("text/html");


        PrintWriter out = response.getWriter();

        VehicleDetail v1 = new VehicleDetail();

        try{

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

            Connection connection =
DriverManager.getConnection("jdbc:mysql://localhost/test","root","");

            PreparedStatement statement = connection.prepareStatement("Insert into
VehicleRecords values(?,?,?)");

            v1.setRegistrationid(Integer.parseInt(request.getParameter("registrationid")));

            v1.setType(request.getParameter("type"));

            v1.setOwnername(request.getParameter("ownername"));


            application.setAttribute("vehicle",v1);


            statement.setInt(1,Integer.parseInt(request.getParameter("registrationid")));

            statement.setString(2,request.getParameter("type"));

            statement.setString(3,request.getParameter("ownername"));


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

```

        RequestDispatcher rd =
request.getRequestDispatcher("RegistrationSuccess.jsp");

        rd.forward(request,response);

    }

    catch(Exception e){

        System.out.print("Exception occured!");

    }

}

protected void doGet(HttpServletRequest request,HttpServletResponse response)throws
ServletException,IOException{

    doPost(request,response);

}

}

```

.....

“RegistrationSuccess.jsp”

e<h2>Vehicle registered successfully !</h2>

<center><h2><u>Vehicle search form</u><h3>

<form method="post" action="Search.jsp">

<table height="30%" width="30%">

<tr>

<td><label>Enter registration number to

search:</label></td>

<td><input type="text" name="registrationid"></td>

<tr>

<td><input type="submit" value="Search vehicle"></td>

<td><input type="reset" value="reset"></td>

```

        <tr>

        </table>

    </form>

</center>
.....

"Search.jsp"

<%@ page import="java.util.*,java.io.*,java.dql.*" %>

<%@ page import="javax.servlet.*,javax.servlet.http.*" %>

<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql"%>

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<html>

    <head>

        <title>

            Vehicle Registration Form

        </title>

    </head>

    <body>

        <center><h2><u>Vehicle Detail</u></h2>

        <%

            int id= Integer.parseInt(request.getParameter("registrationid"));

        %>

        <c:set var="id" value="<%= id %>" />

        <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost/test" user="root" password="" />

        <sql:query var="rs" dataSource="${db}">

            Select * from VehicleRecords

        </sql:query>

```

```

<table>
    <tr>
        <th>Registration Id</th>
        <th>Vehicle Type</th>
        <th>Owner Name</th>
    </tr>
    <c:forEach var="table" items="{rs.rows}">
        <c:set var="v" value="{table.Registrationid}" />
        <c:if test="{v==id}">
            <tr>
                <td><c:out value="{table.Registrationid}" /></td>
                <td><c:out value="{table.Type}" /></td>
                <td><c:out value="{table.Ownerrname}" /></td>
            </tr>
        </c:if>
    </c:forEach>
</table>
</center>
</body>
</html>

```

.....

“web.xml”

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!--
```

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-->

```
<web-app xmlns="http://java.sun.com/xml/ns/javaee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
    http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd"
  version="3.0"
  metadata-complete="true">
```

```
<display-name>Welcome to Tomcat</display-name>
```

```
<description>
```

```
  Welcome to Tomcat
```

```
</description>
```



```
<servlet>
    <servlet-name>VehicleServlet</servlet-name>
    <servlet-class>vehicle.VehicleServlet</servlet-class>
</servlet>
<servlet-mapping>
    <servlet-name>VehicleServlet</servlet-name>
    <url-pattern>/VehicleServlet</url-pattern>
</servlet-mapping>
</web-app>
```