**Servlet applications**

1.Create a web application for the below requirement?

Provide a webpage to the user with dropdown boxes to search for a train from a selected source to a selected destination.

Create appropriate table with data in Database and a servlet class to fetch the details from it and response must be shown to the user in a HTML table format.

Code:

Html page: <!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Trains</title>

<style>

**body**{

background-image:*url('D:\pic1.jpg')*;

background-size:*100%,100%*;

}

*.form-center*{

display : *flex*;

justify-content: *center*;

}

</style>

</head>

<body>

<center><h1>TRAIN SCHEDULAR</h1></center>

<center><h2>select train stations</h2></center>

<div class=*"form-center"*>

<form method=*post* action=*"TrainsList"*>

FROM:<select name=*"boarding"*>

<option value=*"guntur"*>guntur</option>

<option value=*"hydrabad"*>hydrabad</option>

<option value=*"kakinada town"*>kakinada town</option>

<option value=*"vijawada"*>vijayawada</option>

<option value=*"vizag"*>vizag</option>

<option value=*"karimnagar"*>karimnagar</option>

</select>&nbsp;&nbsp;&nbsp;

TO: <select name=*"destination"*>

<option value=*"guntur"*>guntur</option>

<option value=*"hydrabad"*>hydrabad</option>

<option value=*"kakinada town"*>kakinada town</option>

<option value=*"vijawada"*>vijayawada</option>

<option value=*"vizag"*>vizag</option>

<option value=*"karimnagar"*>karimnagar</option>

</select> <input type=*submit* value=*submit*></input>

<div>

</form>

</div>

</body>

</html>

Servlet code:

@WebServlet("/TrainsList")

**public** **class** Servlet1 **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Servlet1() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse

\* response)

\*/

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse

\* response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

String boarding = request.getParameter("boarding");

String destination = request.getParameter("destination");

System.***out***.print(boarding);

String url = "jdbc:mysql://localhost:3306/test";

String name = "root";

String pass = "Satish@1996";

Connection con = **null**;

Statement s = **null**;

ResultSet rs = **null**;

**try** {

response.setContentType("text/html");

PrintWriter pw = response.getWriter();

con = DriverManager.*getConnection*(url, name, pass);

s = con.createStatement(ResultSet.***TYPE\_SCROLL\_INSENSITIVE***,ResultSet.***CONCUR\_UPDATABLE***);

String query="select \*from trains where boarding='"+boarding+"' and destination='"+destination+"'";

rs = s.executeQuery(query);

pw.print("<html><head><style>table, th, td {border: 1px solid black; border-collapse: collapse;}</style></head><body><table boarder=2><center>");

pw.print("<h2>the trains between "+boarding+" and "+destination+" are below</h2>");

rs.beforeFirst();

**while** (rs.next()) {

pw.print("<tr>");

pw.print("<td>"+rs.getString(1));

pw.print("<td>"+rs.getTime(2));

pw.print("<td>"+rs.getString(3));

pw.print("<td>"+ rs.getTime(4));

pw.print("</tr>");

}

pw.print("</center></table></body></html>");

}

**catch** (Exception e) {

System.***out***.print(e);

} **finally** {

**try** {

**if** (rs != **null**)

rs.close();

**if** (s != **null**)

s.close();

**if** (con != **null**)

con.close();

} **catch** (Exception e) {

System.***out***.print(e);

}

}

}

}