21-10-2020 LAB EXERCISES

DONE BY, K. SASI KIRAN 2019202049 MCA(R)

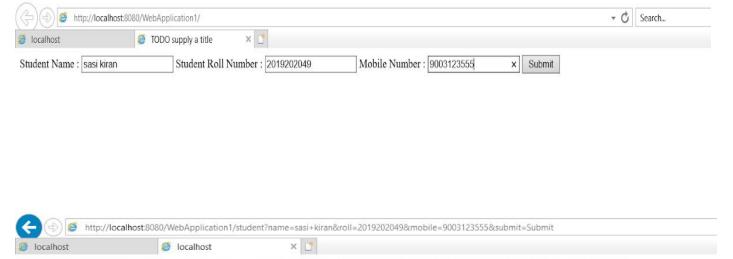
```
PROGRAM 1:
INDEX.HTML
<!DOCTYPE html>
<!--
To change this license header, choose License Headers in Project Properties.
To change this template file, choose Tools | Templates
and open the template in the editor.
-->
<html>
   <head>
      <title>TODO supply a title</title>
      <meta charset="UTF-8">
      <meta name="viewport" content="width=device-width,</pre>
initial-scale=1.0">
   </head>
   <body>
      <form action="student" method="get">
      Student Name : <input type="text" name="name">
      Student Roll Number: <input type="number" name="roll">
      Mobile Number: <input type="number" name="mobile">
      <input type="submit" name="submit" value="Submit">
       </form>
   </body>
</html>
```

STUDENT.JAVA

```
/*
* To change this license header, choose License Headers in Project
Properties.
* To change this template file, choose Tools | Templates
* and open the template in the editor.
*/
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
/**
* @author sasi
*/
public class student extends HttpServlet {
   // <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click
on the + sign on the left to edit the code.">
   /**
    * Handles the HTTP <code>GET</code> method.
    * @param request servlet request
    * @param response servlet response
```

```
* @throws ServletException if a servlet-specific error occurs
    * @throws IOException if an I/O error occurs
    */
   @Override
   protected void doGet(HttpServletRequest request, HttpServletResponse
response)
          throws ServletException, IOException {
      response.setContentType("text/html");
      PrintWriter out=response.getWriter();
      String name=request.getParameter("name");
      String roll=request.getParameter("roll");
      String mobile=request.getParameter("mobile");
      out.println("STUDENT NAME IS :: "+name);
      out.println("STUDENT ROLL NUMBER IS :: "+roll);
      out.println("STUDENT MOBILE NUMBER IS :: "+mobile);
   }
}
```

OUTPUT:



STUDENT NAME IS :: sasi kiranSTUDENT ROLL NUMBER IS :: 2019202049STUDENT MOBILE NUMBER IS :: 9003123555

```
PROGRAM 2:
DATABASE CONNECTIVITY:
INDEX.HTML
<!DOCTYPE html>
<!--
To change this license header, choose License Headers in Project Properties.
To change this template file, choose Tools | Templates
and open the template in the editor.
-->
<html>
   <head>
      <title>TODO supply a title</title>
      <meta charset="UTF-8">
      <meta name="viewport" content="width=device-width,</pre>
initial-scale=1.0">
   </head>
   <body>
      <form action="student" method="get">
        Student Roll Number: <input type="number" name="roll">
        <input type="submit" name="submit" value="Submit">
      </form>
   </body>
```

</html>

STUDENT.JAVA

```
/*
 * To change this license header, choose License Headers in Project
Properties.
* To change this template file, choose Tools | Templates
* and open the template in the editor.
 */
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
/**
* @author sasi
*/
public class student extends HttpServlet {
public static Connection conn;
   // <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click
on the + sign on the left to edit the code.">
```

```
/**
    * Handles the HTTP <code>GET</code> method.
    * @param request servlet request
    * @param response servlet response
    * @throws ServletException if a servlet-specific error occurs
    * @throws IOException if an I/O error occurs
    */
   @Override
   protected void doGet(HttpServletRequest request, HttpServletResponse
response)
          throws ServletException, IOException {
      response.setContentType("text/html");
      PrintWriter out=response.getWriter();
      String r=request.getParameter("roll");
     String url = "jdbc:postgresql://localhost:5432/testdb";
                 String username = "postgres";
                 String password = "psql";
                    String docType =
       "<!doctype html public \"-//w3c//dtd html 4.0 " +
"transitional//en\">\n":
     out.println(docType +
       "<html>\n" +
       "<head><title></title></head>\n" +
       "<body bgcolor = \"#f0f0f0\">\n" +
       "<h1 align = \"center\"></h1>\n");
            try
            {
                Class.forName("org.postgresql.Driver");
                 conn= (Connection) DriverManager.getConnection(url,
username, password);
```

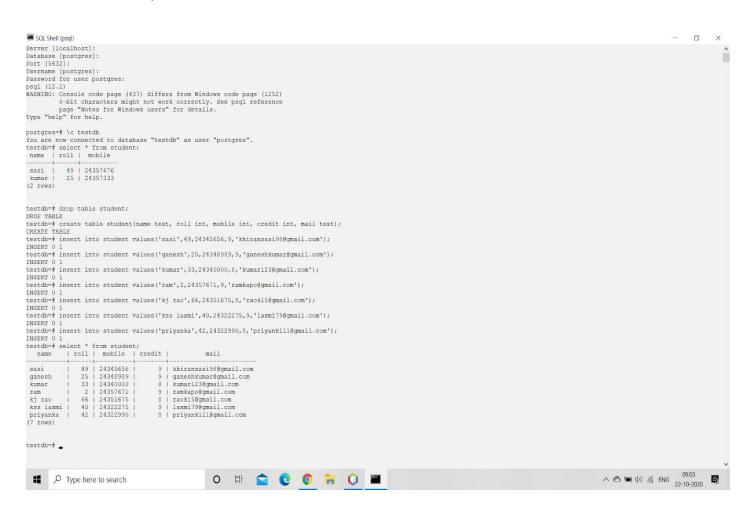
```
System.out.println("Connected Successfully!");
         // Execute SQL query
Statement stmt = conn.createStatement();
String sal;
sql = "SELECT * from student where roll=roll";
ResultSet rs = stmt.executeQuery(sql);
// Extract data from result set
while(rs.next()){
  //Retrieve by column name
  String name1 = rs.getString("name");
  String rolls = rs.getString("roll");
  int mobile = rs.getInt("mobile");
  int credit = rs.getInt("credit");
  String mail = rs.getString("mail");
 if(rolls.equals(r)){
  out.print("<br>Fetching Details From Database"+"<br>");
                         " + name1 + "<br>"):
  out.println("NAME ::
  out.println("ROLL :: " + rolls + "<br>>");
  out.println("MOBILE :: " + mobile + "<br>>");
  out.println("CREDITS :: "+credit+"<br><br>");
  out.println("E-MAIL ID :: "+mail+"<br>>");
  }
}
out.println("</body></html>");
// Clean-up environment
rs.close();
stmt.close();
conn.close();
     }
     catch (SQLException e)
     {
```

```
System.out.println("Connection Failed! Check output console");
} catch (ClassNotFoundException ex) {
Logger.getLogger(student.class.getName()).log(Level.SEVERE, null, ex);
}
}
```

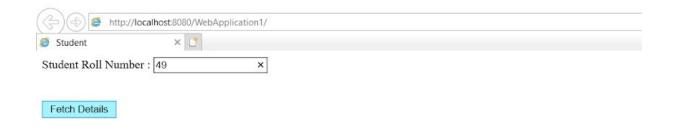
OUTPUT:

}

DATABASE PSQL:



LOCALHOST:



FETCH FROM DATABASE:

