REGISTRATION NUMBER: BITA/2/18/034/TZ

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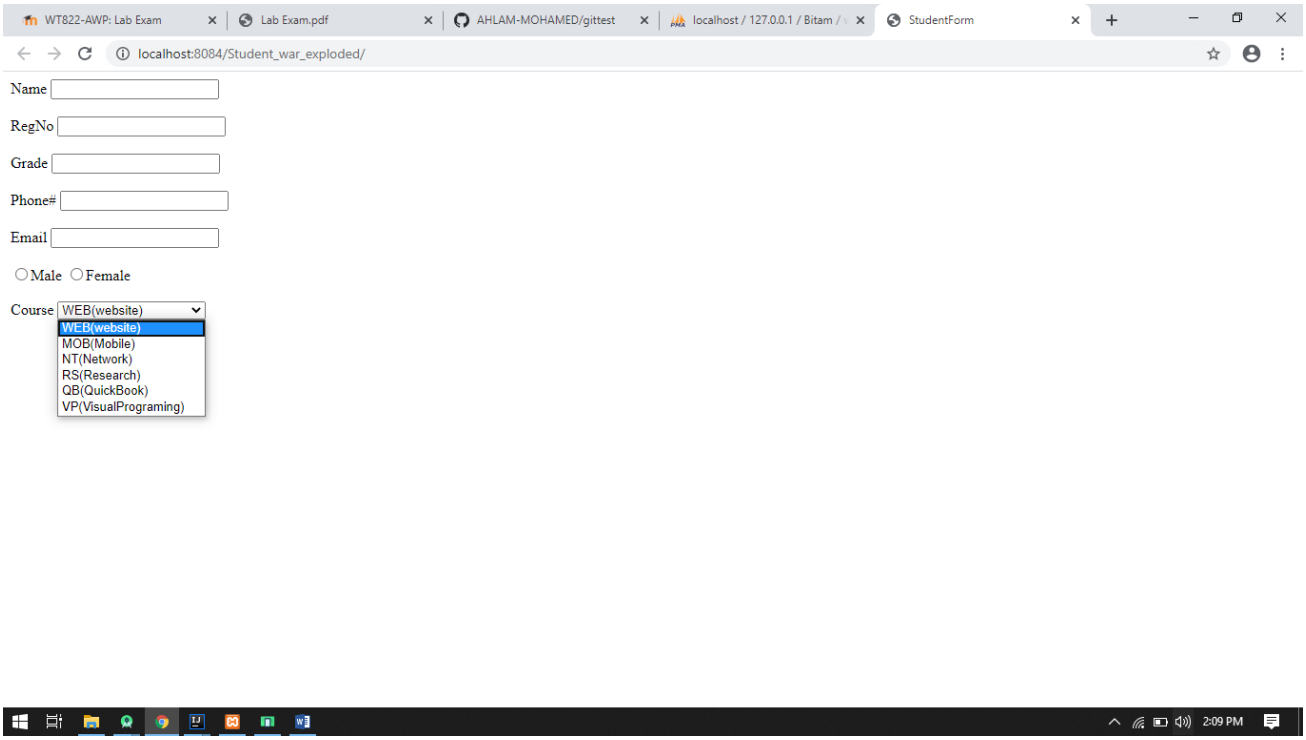
QUESTION NO: 3

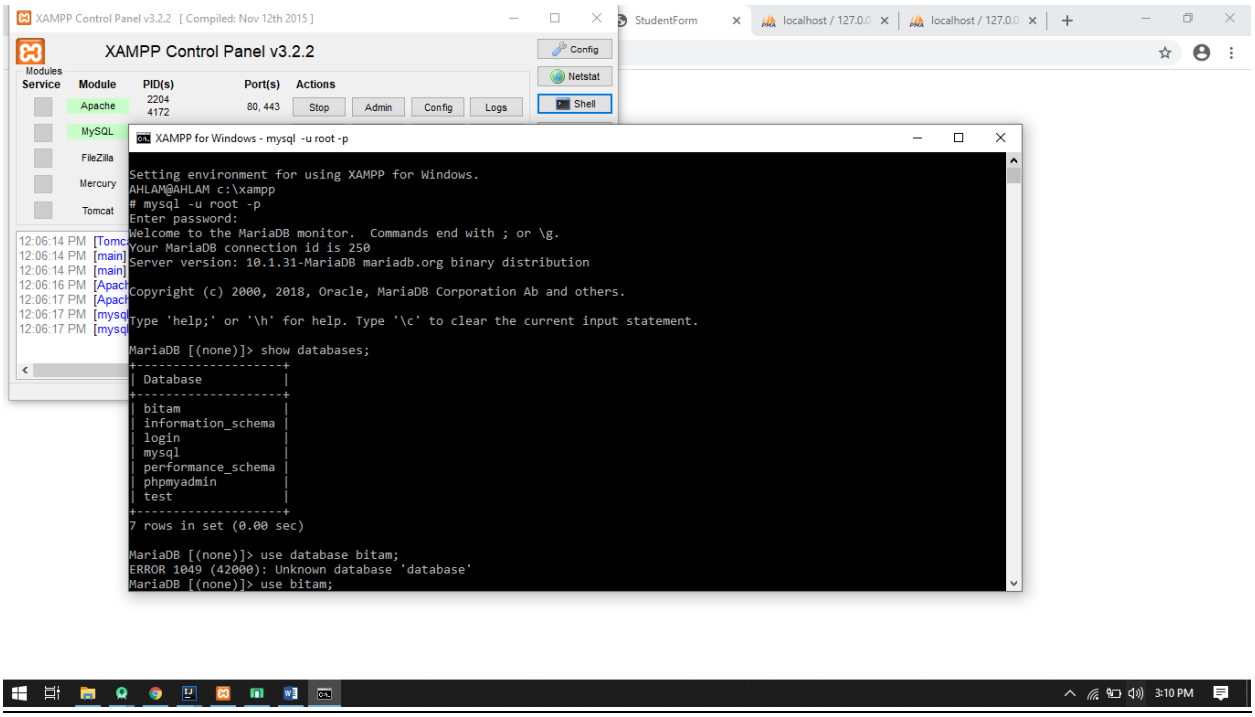


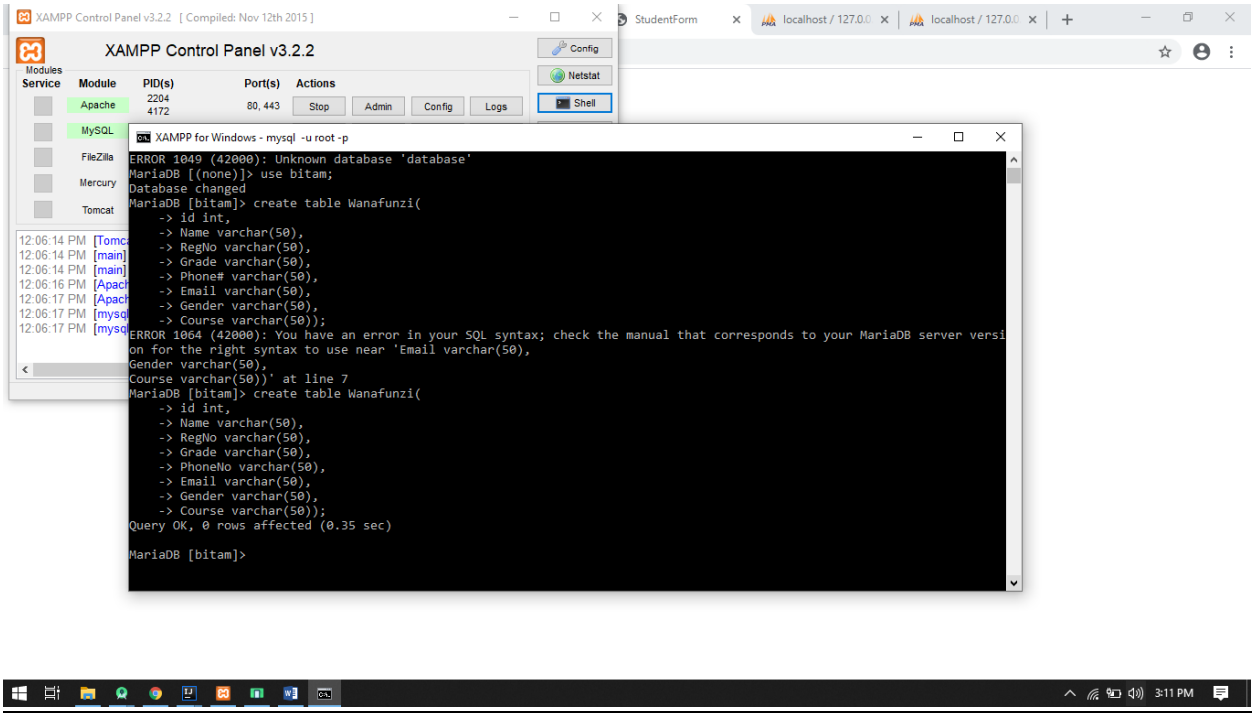
1--HTML CODE IN INDEX.JSP

```
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
  <head>
    <title>StudentForm</title>
  </head>
  <body>
  <form method="get" action="StudentServlet">
    <label>Name</label>
    <input type="text" name="name" >
    <br/><br/>
    <label>RegNo</label>
    <input type="text" name="reg">
    <br/><br/>
      <label>Grade</label>
      <input type="text" name="grade">
      <br/><br/>
      <label>Phone#</label>
      <input type="text" name="pno" >
      <br/><br/>
        <label>Email</label>
        <input type="text" name="email">
        <br/><br/>
    <input type="radio" name="Male">Male
    <input type="radio" name="Female">Female
    <br/> <br/>
    <label>Course</label>
    <select>
```

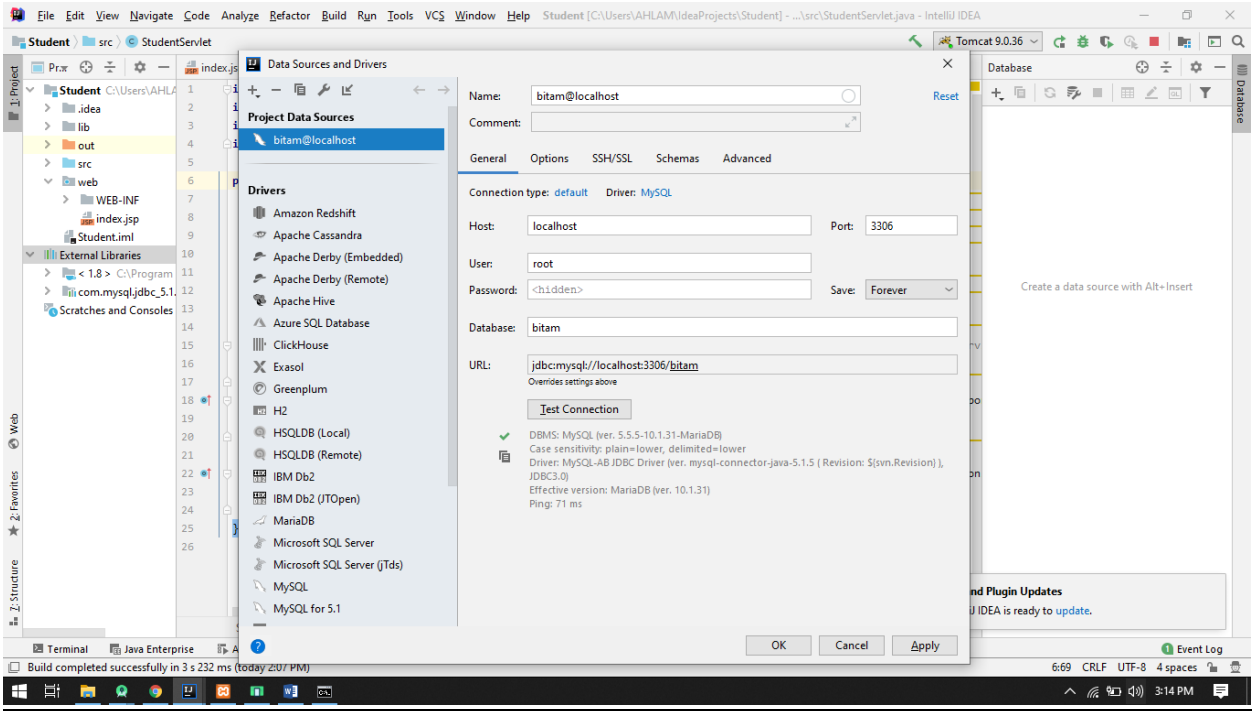
```
        <option>WEB(website)</option>
        <option>MOB(Mobile)</option>
        <option>NT(Network)</option>
        <option>RS(Research)</option>
        <option>QB(QuickBook)</option>
        <option>VP(VisualPrograming)</option>
      </select>

  </body>
</html>
```

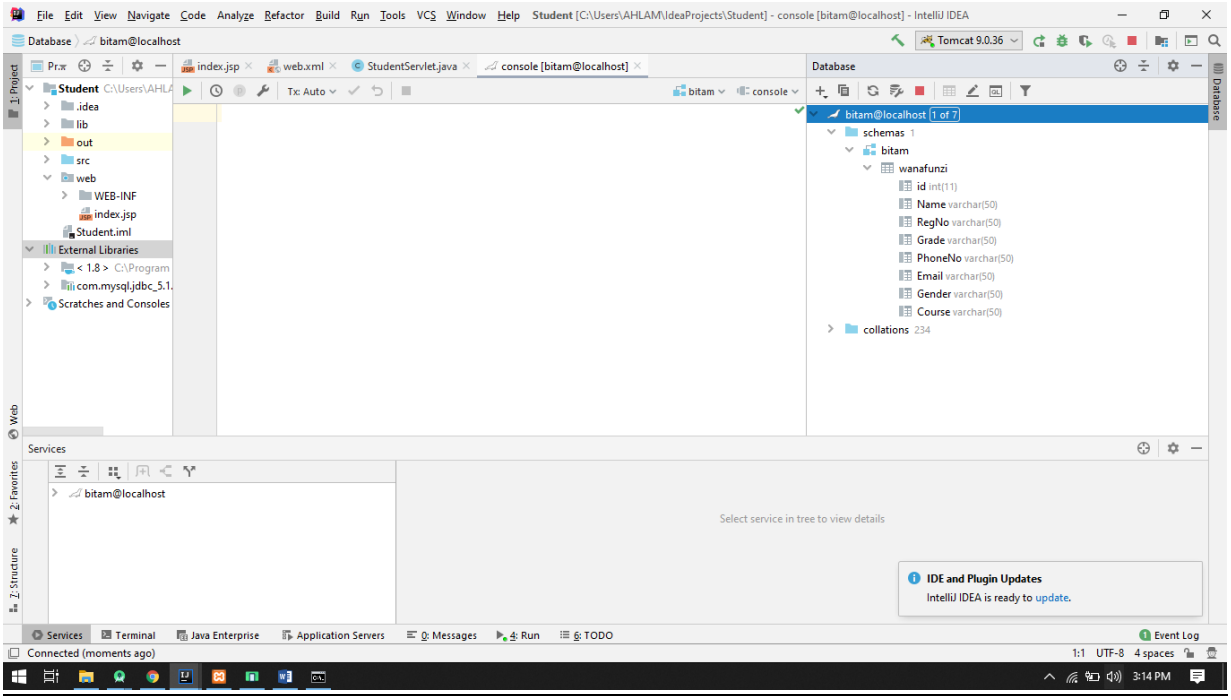
2--DATABASE IN MYSQL





TESTING CONNECTION





3—SERVLET ONE CODES:

```
import javax.jms.Connection;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;

public class StudentServlet extends javax.servlet.http.HttpServlet {
    private static String JDBC_DRIVER="com.mysql.jdbc.Driver";
    private static String DB_URL ="jdbc:mysql://localhost:3306/bitam";
    private static String DB_USER ="root";
    private static String DB_PASS ="";

    static final String USER ="root";
    static final String PASS ="";

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

        try{
            PrintWriter out = response.getWriter();
            String Name = request.getParameter("name");
            String RegNo = request.getParameter("reg");
            String Grade = request.getParameter("grade");
            String PhoneNo = request.getParameter("Pno");
```

```
            String email = request.getParameter("email");
            String gender = request.getParameter("gender");
            String course = request.getParameter("course");

            Class.forName("com.mysql.jdbc.Driver");
            Connection conn = (Connection)
DriverManager.getConnection(DB_URL,USER,PASS);
            Statement st = ((java.sql.Connection) conn).createStatement();

            String select = "SELECT * FROM wanafunzi WHERE course = "+course+" AND
RegNo = "+RegNo+" ";
            ResultSet RS = st.executeQuery(select);
            while (RS.next());
            String Course = RS.getString("course");
            String regNo = RS.getString("regNo");


        }
        catch (Exception se){

        }



    }
    protected void doPost(javax.servlet.http.HttpServletRequest request,
javax.servlet.http.HttpServletResponse response) throws
javax.servlet.ServletException, IOException {

    }

    protected void doGet(javax.servlet.http.HttpServletRequest request,
javax.servlet.http.HttpServletResponse response) throws
javax.servlet.ServletException, IOException {

    }
}
```

4—SERVLET2 CODE:

```
import javax.jms.Connection;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.DriverManager;
import java.sql.ResultSet;
```

```
import java.sql.Statement;

@WebServlet(name = "StudentServlet2")
public class StudentServlet2 extends HttpServlet {
    private static String JDBC_DRIVER="com.mysql.jdbc.Driver";
    private static String DB_URL ="jdbc:mysql://localhost:3306/bitam";
    private static String DB_USER ="root";
    private static String DB_PASS ="";

    static final String USER ="root";
    static final String PASS ="";

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

        try{
            PrintWriter out = response.getWriter();
            String Name = request.getParameter("name");
            String Grade = request.getParameter("grade");
            String PhoneNo = request.getParameter("Pno");

            Class.forName("com.mysql.jdbc.Driver");
            Connection conn = (Connection)
DriverManager.getConnection(DB_URL,USER,PASS);
            Statement st = ((java.sql.Connection) conn).createStatement();

            String select = "SELECT * FROM wanafunzi WHERE Name = "+Name+" AND Grade
= "+Grade+" ";
            ResultSet RS = st.executeQuery(select);
            while (RS.next());
            String name = RS.getString("name");
            String grade = RS.getString("grade");
            String phoneNo = RS.getString("phoneNo");

        }
        catch (Exception se){

        }

    }

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

    }

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

    }
}
```