

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

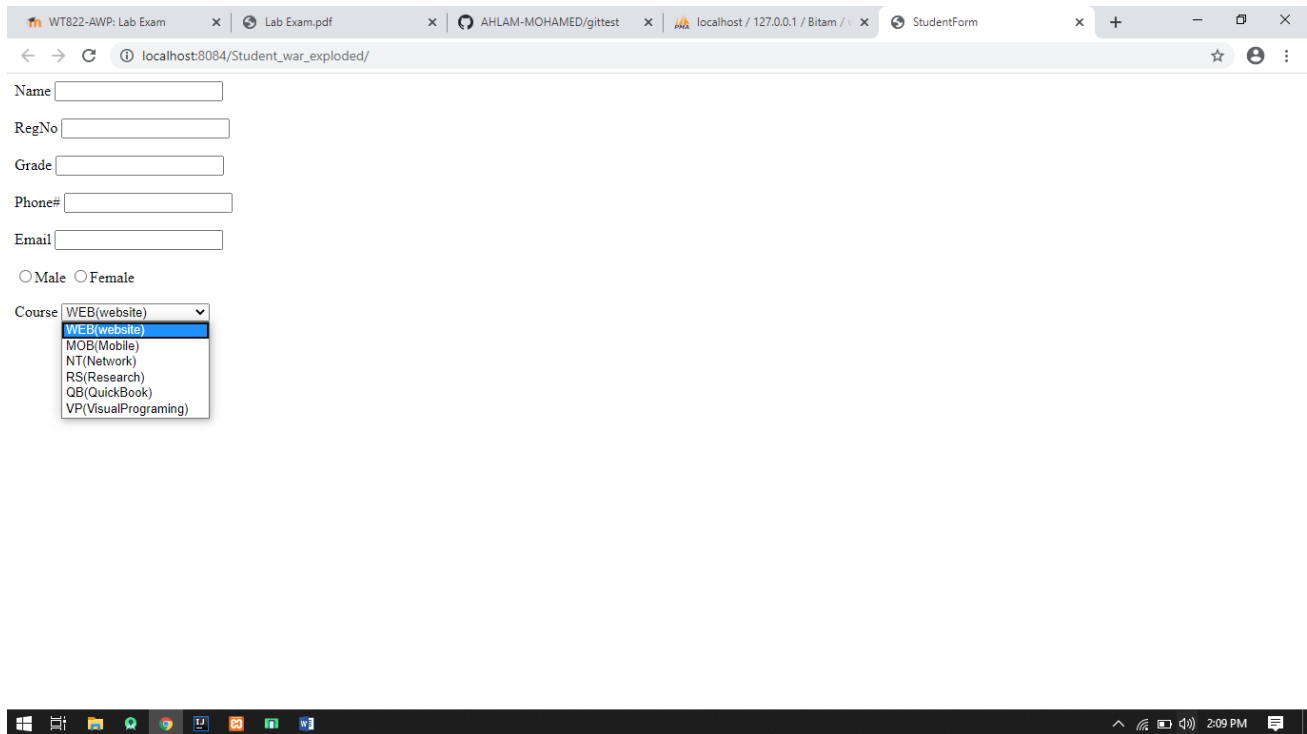
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QUESTION NO: 3



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

The screenshot shows the XAMPP Control Panel v3.2.2 interface. The 'Modules' tab is active, displaying a table of installed services:

Service	Module	PID(s)	Port(s)	Actions
Apache	Apache	2204 4172	80, 443	Stop Admin Config Logs
MySQL	MySQL			
FileZilla	FileZilla			
Mercury	Mercury			
Tomcat	Tomcat			

A terminal window titled 'XAMPP for Windows - mysql -u root -p' is open, showing the following output:

```

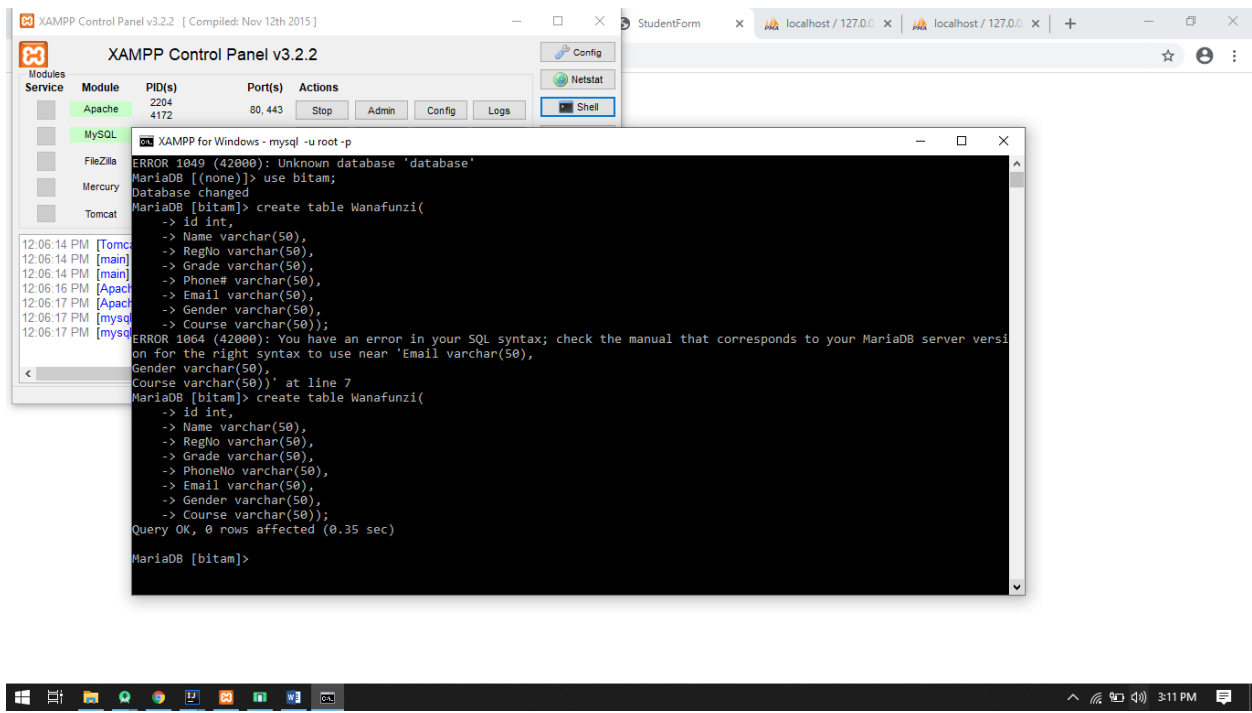
Setting environment for using XAMPP for Windows.
AHLAM@AHLAM c:\xampp
# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 250
Server version: 10.1.31-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| bitam    |
| information_schema |
| login    |
| mysql    |
| performance_schema |
| phpmyadmin |
| test     |
+-----+
7 rows in set (0.00 sec)

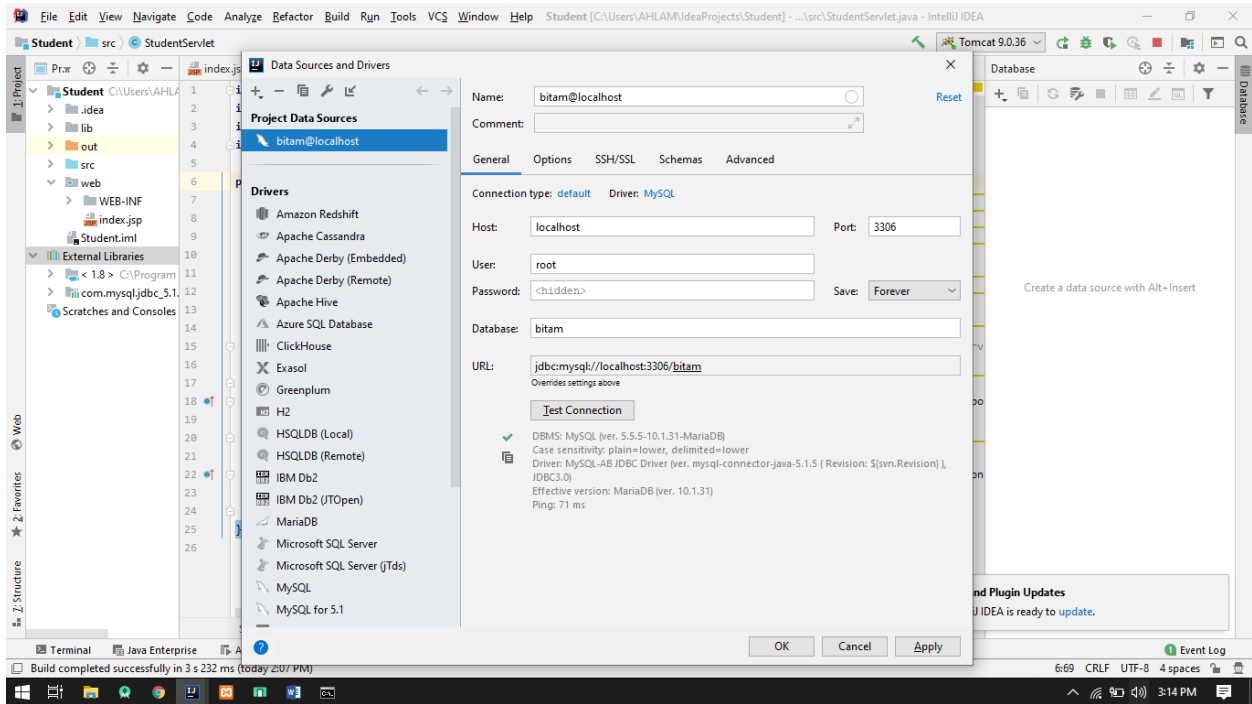
MariaDB [(none)]> use database bitam;
ERROR 1049 (42000): Unknown database 'database'
MariaDB [(none)]> use bitam;

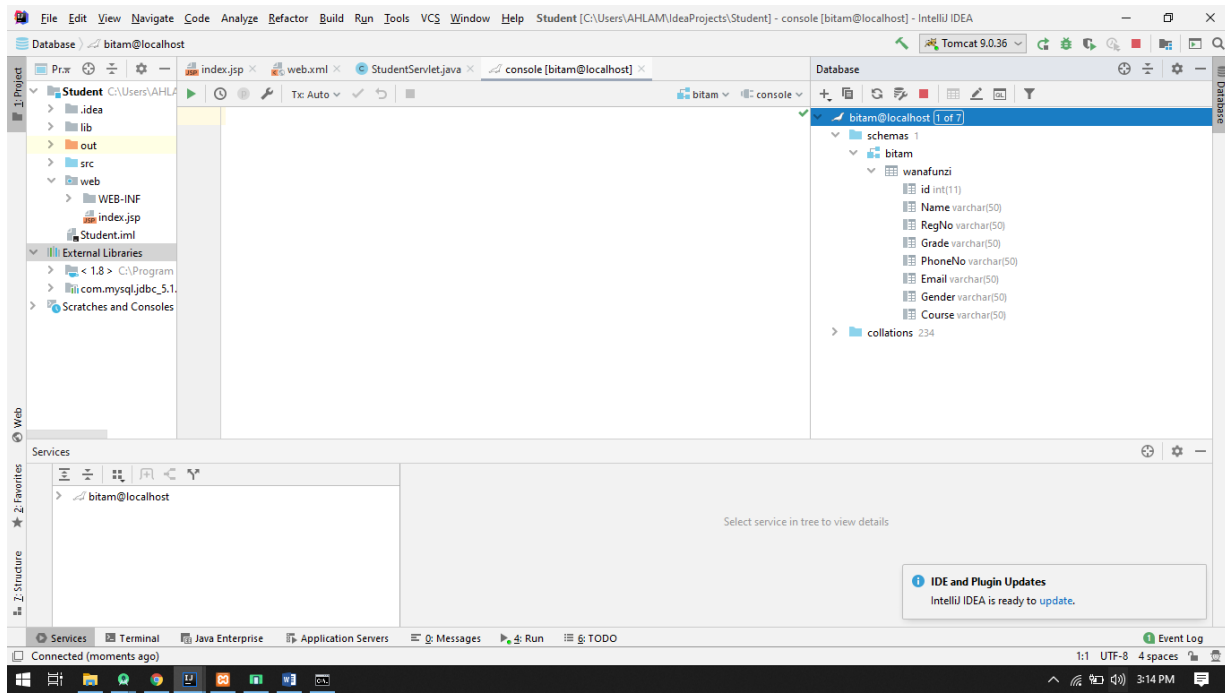
```

The Windows taskbar at the bottom shows the time as 3:10 PM.



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 {

    }

}

```