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Subject - "Java Programming"

Course - MCA 218

Ques :- Ans :-

Insert rows in user data table.

```
Code :- package com.java.snippets.core;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.Statement;

public class InsertRowsExample {
    public static void main (String[] args) {
        Connection connection = null;
        try {
            String driverName = "com.mysql.jdbc.Driver";
            Class.forName (driverName);
```

// Create a connection

```
# String serverName = "localhost";
```

```
String schema = "test";
```

```
String url = "jdbc:mysql://" + serverName + "/" + schema;
```

```
String username = "username";
```

```
String password = "password";
```

```
Connection = DriverManager.getConnection(url, username, password);
```

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```
System.out.println ("Successfully Connected to the database");
```

```
{ catch (ClassNotFoundException e) {
```

```
    System.out.println ("Could not find the database driver" + e.getMessage());
```

```
} catch (SQLException e) {
```

```
    System.out.println ("Could not connect to the database" + e.getMessage());
```

```
} try
```

```
/* Insert rows */
```

```
Statement statement = connection.createStatement();
```

```
int insertCount = statement.executeUpdate ("INSERT INTO  
test-table (test-col) VALUES ('test value')");
```

```
System.out.println ("Inserted test value successfully: " + insertCount);
```

```
// Insert 4 rows
```

```
for (int i=0; i<4; i++) {
```

```
    preparedStatement.setString (1, "test-value-" + i);
```

```
    insertCount = preparedStatement.executeUpdate();
```

```
    System.out.println ("Inserted test value " + i + " successfully: " +  
        insertCount); }
```

```
} catch (SQLException e) {
```

```
    System.out.println ("Could not insert data to the database" +  
        e.getMessage());
```

```
} }
```


→ Create an dynamic web project using "JSP"

```

import java.sql.Connection ;
import java.sql.DriverManager;
import java.sql.SQLException;

public class DatabaseConnection {
    protected static Connection PdtializedDatabase()
        throws SQLException, ClassNotFoundException {
        String dbDriver = "com.mysql.jdbc.Driver";
        String dbURL = "jdbc:mysql://localhost:3306/";
        String dbName = "demoj";
        String dbUsername = "root";
        String dbpassword = "root";

        Class.forName(dbDriver);
        Connection con = DriverManager.getConnection(dbURL+dbName,
                                                    dbUsername, dbpassword);

        return con;
    }
}

```

→ Create Object for Java Servlet program

```

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;

```

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```
import javax.servlet.http.HttpServletResponse;
```

```
import code.DatabaseConnection;
```

① webServlet ("/InsertData").

```
public class InsertData extends HttpServlet {
```

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

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

```
    {
```

```
        throws ServletException, IOException
```

```
    { try {
```

```
        Connection con = DatabaseConnection.initializeDatabase();
```

```
        PreparedStatement st = con.prepareStatement("Insert into  
demo values (?, ?)");
```

```
        st.setInt(1, Integer.valueOf(request.getParameter("id")));
```

```
        st.setString(2, request.getParameter("string"));
```

```
        st.executeUpdate();
```

```
        st.close();
```

```
        con.close();
```

```
        PrintWriter out = response.getWriter();
```

```
        out.println("<html> <body> <b> successfully Inserted "<br>+ "</b> </body> </html>");
```

```
    } catch (Exception e) {
```

```
        e.printStackTrace();
```

```
    }  
}  
}
```

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Index. File

<!DOCTYPE html>

<html>

<head>

<title> Insert Data </title>

</head>

<body>

<form action = ". / InsertData " method = "post">

<p> ID: </p>

<input type = "text" name = "id"/>

<p> String : </p>

<input type = "text" name = "string"/>

<input type = "submit"/>

</form>

</body>

</html>

Successfully Connected to the database!

Inserted test_value successfully : 1

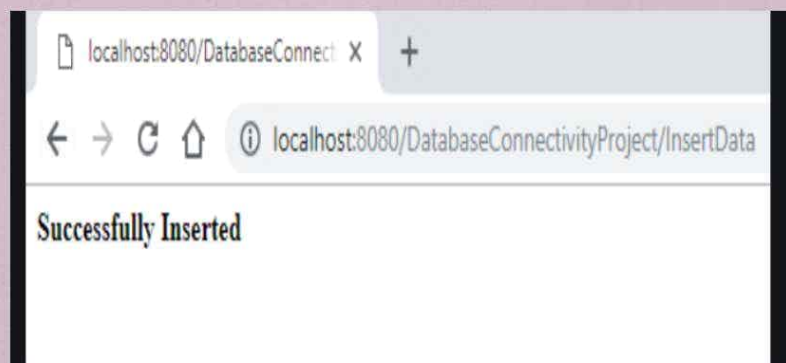
Inserted test_value_0 successfully : 1

Inserted test_value_1 successfully : 1

Inserted test_value_2 successfully : 1

Inserted test_value_3 successfully : 1

Inserted test_value_4 successfully : 1



ID:

ADARSH DHYANI

String:

AA

Submit