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Q1 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);
            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) {
```

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```

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 initializedDatabase () throws
        SQLException, ClassNotFoundException
}

```

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```

String dbDriver = "com.mysql.jdbc.Driver";
String dbURL = "jdbc:mysql://localhost:3306/";
String dbName = "damayati";
String dbUserName = "root";
String dbPassword = "root";
Class.forName(dbDriver);
Connection con = DriverManager.getConnection(dbURL, dbName,
                                             dbUserName, dbPassword);
return con;
}
}

```

→ Create Object in 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;
import javax.servlet.http.HttpServletResponse;
import java.sql.Connection;

```

② Web servlet ("InsertData"):

```

public class InsertData extends HttpServlet {
private static final long serialVersionUID = 2L;
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    String s
}

```

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Connection Con = Database Connection. initialization database ();
 Preparedstatement st = con.preparestatement ("insert into
 demo value (??)");
 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>successfully Inserted</body></html>")
 }
 catch (Exception e){
 e.printStackTrace ();
 }

→ 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" /> <br/>
<p> String :</p>
<input type = "text" name = "string" />
<br /> <br />
<input type = "submit" />
</form>
</body>
</html>

```

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