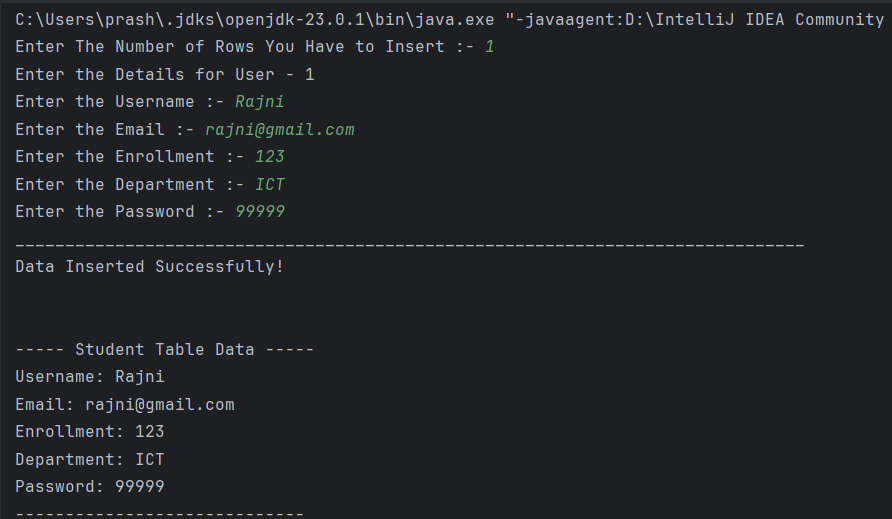
**Objective:-** WAP that will take firstName, surName, email from user. Store that data into DB and display data from DB. (JDBC)

**Code :-**

package org.example;  
  
import java.sql.\*;  
import java.util.Scanner;  
  
public class Main {  
  
 public static void Insert(Statement statement) {  
 Scanner scanner = new Scanner(System.*in*);  
 int no\_of\_rows;  
  
 System.*out*.print("Enter The Number of Rows You Have to Insert :- ");  
 no\_of\_rows = scanner.nextInt();  
 scanner.nextLine(); // Consume the newline character  
  
 // Define the attributes (column names)  
 String[] attribute = {"Username", "Email", "Enrollment", "Department", "Password"};  
 String[][] data = new String[no\_of\_rows][5]; // Array to store user input  
  
 // Taking user input  
 for (int i = 0; i < no\_of\_rows; i++) {  
 System.*out*.println("Enter the Details for User - " + (i + 1));  
 for (int j = 0; j < 5; j++) {  
 System.*out*.print("Enter the " + attribute[j] + " :- ");  
 data[i][j] = scanner.nextLine();  
 }  
 System.*out*.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");  
 }  
  
 // Construct SQL INSERT query  
 StringBuilder insertQuery = new StringBuilder("INSERT INTO `student`(`username`, `email`, `enrollment`, `department`, `password`) VALUES ");  
  
 for (int i = 0; i < no\_of\_rows; i++) {  
 insertQuery.append("('")  
 .append(data[i][0]).append("', '") // Username  
 .append(data[i][1]).append("', '") // Email  
 .append(data[i][2]).append("', '") // Enrollment  
 .append(data[i][3]).append("', '") // Department  
 .append(data[i][4]).append("')"); // Password  
  
 if (i < no\_of\_rows - 1) {  
 insertQuery.append(", "); // Append a comma for multiple inserts  
 }  
 }  
  
 insertQuery.append(";");  
  
 // Execute the query  
 try {  
 statement.executeUpdate(insertQuery.toString());  
 System.*out*.println("Data Inserted Successfully!\n");  
 *Display*(statement); // Display the table contents after insertion  
 } catch (SQLException e) {  
 System.*out*.println("Error executing query: " + e.getMessage());  
 }  
 }  
  
 public static void Display(Statement statement) throws SQLException {  
 String fetch\_query = "SELECT \* FROM student";  
 ResultSet resultSet = statement.executeQuery(fetch\_query);  
  
 System.*out*.println("\n----- Student Table Data -----");  
 while (resultSet.next()) {  
 System.*out*.println("Username: " + resultSet.getString("username"));  
 System.*out*.println("Email: " + resultSet.getString("email"));  
 System.*out*.println("Enrollment: " + resultSet.getString("enrollment"));  
 System.*out*.println("Department: " + resultSet.getString("department"));  
 System.*out*.println("Password: " + resultSet.getString("password"));  
 System.*out*.println("-----------------------------");  
 }  
 }  
  
 public static void main(String[] args) {  
 try {  
 // Load MySQL JDBC Driver  
 Class.*forName*("com.mysql.jdbc.Driver");  
  
 // Establish Connection  
 Connection connection = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/aj\_practical", "root", "");  
 Statement statement = connection.createStatement();  
  
 // Call Insert function  
 *Insert*(statement);  
  
 // Close resources  
 statement.close();  
 connection.close();  
  
 } catch (ClassNotFoundException | SQLException e) {  
 throw new RuntimeException(e);  
 }  
 }  
}

**Output:-**

****

**A close-up of a web page

Description automatically generated**