| | Marwadi University |
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| **Marwadi** NAAC **University** A+ Marwadi Chandarana Group | **Marwadi University**<br>**Faculty of Technology**<br>**Department of Information and Communication Technology** |
| **Subject: Advanced Java (01CT1623)** | **Aim:** WAP that will take firstName, surName, email from user. Store that data into DB and display data from DB. (JDBC) |
| **Experiment No:-** 02 | **Date:-** | **Enrollment No:-** 92200133030 |

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

## Code :-

```java
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();

        String[][] data = new String[no_of_rows][7];
        String[] attribute = {"First Name", "Surname" , "Email Id"};

        for (int i = 0; i < no_of_rows; i++) {
            System.out.println("Enter the Details for User - " + (i + 1));
            for (int j = 0; j < 3; j++) {
                System.out.print("Enter the " + attribute[j] + " :- ");
                data[i][j] = scanner.nextLine();
            }
System.out.println("_____");
        }

        StringBuilder insertQuery = new StringBuilder("INSERT INTO User_Table (First_Name, Surname,
Email_Id) VALUES ");

        for (int i = 0; i < no_of_rows; i++) {
            insertQuery.append("('").append(data[i][0]).append("', '").append(data[i][1]).append("',
'").append(data[i][2]).append("')");

            if (i < no_of_rows - 1) {
                insertQuery.append(", ");
            }
        }

        insertQuery.append(";");

        try {
            statement.executeUpdate(insertQuery.toString());
            System.out.println("Data Inserted Successfully!\n");
```

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```
        Display(statement);
    } catch (SQLException e) {
        System.out.println("Error executing query: " + e.getMessage());
    }
}

public static void Display(Statement statement) throws SQLException {
    String fetch_query = "SELECT * FROM User_Table";
    ResultSet resultSet = statement.executeQuery(fetch_query);

    while(resultSet.next()) {
        System.out.println("First Name:- " + resultSet.getString(1));
        System.out.println("Surname:- " + resultSet.getString(2));
        System.out.println("Email ID:- " + resultSet.getString(3));
        System.out.println("---------------------------");
    }
}

public static void main(String[] args) {
    try {
        Class.forName("com.mysql.jdbc.Driver");
        Connection connection =
DriverManager.getConnection("jdbc:mysql://localhost:3306/ajt_practicle" , "root" , "");
        Statement statement = connection.createStatement();
        Insert(statement);

    } catch (ClassNotFoundException | SQLException e) {
        throw new RuntimeException(e);
    }
}
}
```

**Output:-**

| | | First_Name | Surname | Email_ID |
| :---: | :---: | :--- | :--- | :--- |
| ☐ | ✎ Edit 📋 Copy ⊖ Delete | Aryan | Langhanoja | aryanlanghanoja@gmail.com |
| ☐ | ✎ Edit 📋 Copy ⊖ Delete | Ritesh | Sanchala | riteshsanchala@gmail.com |

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action | | |
| :---: | :--- | :--- | :--- | :--- | :---: | :--- | :--- | :--- | :--- | :--- | :--- |
| ☐ 1 | **First_Name** | varchar(50) | utf8mb4_general_ci | | No | *None* | | | ✎ Change | ⊖ Drop | More |
| ☐ 2 | **Surname** 🔑 | varchar(50) | utf8mb4_general_ci | | No | *None* | | | ✎ Change | ⊖ Drop | More |
| ☐ 3 | **Email_ID** 🔑 | varchar(50) | utf8mb4_general_ci | | No | *None* | | | ✎ Change | ⊖ Drop | More |

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```
"C:\Program Files\Java\jdk-22\bin\java.exe" "-javaagent:D:\Intellij IDEA\Setup\lib\idea_rt.jar=63400:D:\Intellij IDEA\Setup\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF
Enter The Number of Rows You Have to Insert :- 2
Enter the Details for User - 1
Enter the First Name :- Aryan
Enter the Surname :- Langhanoja
Enter the Email Id :- aryanlanghanoja@gmail.com

-------------------------------------------------------------------------

Enter the Details for User - 2
Enter the First Name :- Ritesh
Enter the Surname :- Sanchala
Enter the Email Id :- riteshsanchala@gmail.com

-------------------------------------------------------------------------

Data Inserted Successfully!

First Name:- Aryan
Surname:- Langhanoja
Email ID:- aryanlanghanoja@gmail.com
---------------------------
First Name:- Ritesh
Surname:- Sanchala
Email ID:- riteshsanchala@gmail.com
---------------------------

Process finished with exit code 0
```