



Marwadi University Faculty of Technology

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

Enrollment No:- 92200133030 Date:-

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();
        String[][] data = new String[no_of_rows][7];
        String[] attribute = {"First Name", "Surname", "Email Id"};
        for (int i = 0; i < no_of_rows; i++) {</pre>
            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++) {</pre>
            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");
 Advanced Java
```





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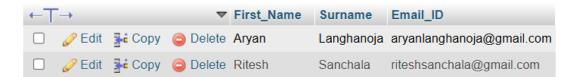
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```
Display(statement);
        } catch (SQLException e) {
            System.out.println("Error executing query: " + e.getMessage());
        }
    }
    public static void Display(Statement statement) throws SQLException {
        String fetch_query = "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.qetConnection("jdbc:mysql://localhost:3306/ajt practicle" , "root" , "");
            Statement statement = connection.createStatement();
            Insert(statement);
        } catch (ClassNotFoundException | SQLException e) {
            throw new RuntimeException(e);
        }
    }
}
```

Output:-



	#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra	Action		
	1	First_Name	varchar(50)	utf8mb4_general_ci		No	None				Drop	More
	2	Surname 🔑	varchar(50)	utf8mb4_general_ci		No	None				Drop	More
	3	Email_ID 🔑	varchar(50)	utf8mb4_general_ci		No	None			Change	Drop	More





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