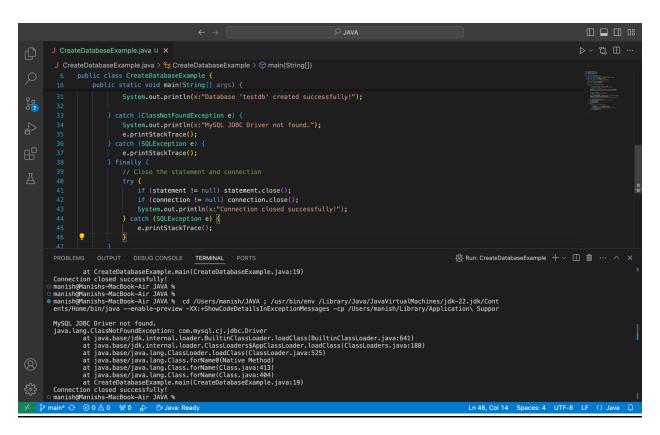
## **DATABASE IS CREATED SUCESSFULLY:**

```
J CreateDatabaseExample.java U X
                                                                                                                                                                                                       ⊳ ~ ზ Ш ...
          J CreateDatabaseExample.java > ★ CreateDatabaseExample > ★ main(String[])
                  import java.sql.Connection;
                  import java.sql.DriverManager;
çç,
                  import java.sql.Statement:
                      // JDBC URL, username, and password of MySQL server
private static final String URL = "jdbc:mysql://localhost:3306/";
private static final String USER = "root";
private static final String PASSWORD = "ManishMac";
                       // JDBC variables for opening and managing connection
private static Connection connection;
                       private static Statement statement;
                       public static void main(String[] args) {
                                 // Load and register JDBC driver for MySQL
Class.forName(className:"com.mysql.cj.jdbc.Driver");
                                  connection = DriverManager.getConnection(URL, USER, PASSWORD);
System.out.println(x:"Connection established successfully!");
                                  // Create a statement
statement = connection.createStatement();
                                  String createDatabaseSQL = "CREATE DATABASE IF NOT EXISTS testdb";
                                  statement.executeUpdate(createDatabaseSQL);
                                  System.out.println(x:"Database 'testdb' created successfully!");
    $° main* ↔ ⊗ 0 △ 0 № 0 ♣> 🍅 Java: Ready
                                                                                                                                                               Ln 30, Col 39 Spaces: 4 UTF-8 LF {} Java \ \ \Box
```



## **DATABASE CONNECTIVITY SUCESSFULLY:**

```
J SimpleJDBCExample.java ∪ X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              J SimpleJDBCExample.java > ★ SimpleJDBCExample > ■ PASSWORD
                                                import java.sql.Connection;
                                                 import java.sql.DriverManager;
90
                                                import java.sql.SOLException:
                                                import java.sql.Statement;
                                                public class SimpleJDBCExample ₹
                                                  public class simpleJDBCtExample to
// JDBC URL, username, and password of MySQL server
private static final String URL = "jdbc:mysql://localhost:3306/testdb"; // Ensure your database 'testdb' exists
private static final String USER = "root";
private static final String PASSWORD = "ManishMac|";
                                                             Run|Debug
public static void main(String[] args) {
                                                                            ResultSet resultSet = null;
                                                                                          // Load and register JDBC driver for MySQL
Class.forName(className:"com.mysql.cj.jdbc.Driver");
                                                                                          // Establish the connection
connection = DriverManager.getConnection(URL, USER, PASSWORD);
                                                                                           statement = connection.createStatement();
                                                                                           "email VARCHAR(50) NOT NULL)";
                                                                                          statement.executeUpdate(createTableSQL);
          $° main* ↔ ⊗ 0 \( \Delta \) \(
                                                                                                                                                                                                                                                                                                                                                                                                                                   Ln 11, Col 54 Spaces: 4 UTF-8 LF {} Java 🚨
```

```
▷ ~ th □ ···
          J SimpleJDBCExample.iava U X
                    public class SimpleJDBCExample {
   public static void main(String[] args) {
                                       statement.executeUpdate(createTableSQL);
// Insert a record
formula insertQuery = "INSERT INTO users (name, email) VALUES ('John Doe', 'john@example.com')";
statement.executeUpdate(insertQuery);
System.out.println(x:"Record inserted successfully!");
                                       // Execute a query to retrieve data
String selectQuery = "SELECT * FROM users";
                                       resultSet = statement.executeQuery(selectQuery);
                                       // Process the result set
while (resultSet.next()) {
                                              int id = resultSet.getInt(columnLabel:"id");
                                             String name = resultSet.getString(columnLabel:"name");
String email = resultSet.getString(columnLabel:"email");
System.out.println("ID: " + id + ", Name: " + name + ", Email: " + email);
                                 } catch (ClassNotFoundException e) {
    System.out.println(x:"MySQL JDBC Driver not found.");
                                             if (resultSet != null) resultSet.close();
if (statement != null) statement.close();
                                       System.out.println(x:"Connection closed successfully!");
} catch (SQLException e) {
                                                                                                                                                                                        Ln 11, Col 54 Spaces: 4 UTF-8 LF {} Java C
```

## **ECHOSERVER:**

## **ECHOCLIENT:**