

### **MYSQL-WORKBENCH:**

show databases;

drop database vit\_amaravati;

create database vit;

use vit;

create table student(id int,name varchar(25),marks int);

insert into student values(101,'akshitha',99),(102,'ram',98);

select \* from student;

select \* from student;

### **Eclipse(to establish the connection):**

package connection;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

public class DBconnection {

public static void main(String[] args) {

try {

Class.forName("com.mysql.cj.jdbc.Driver"); //core java(cj)

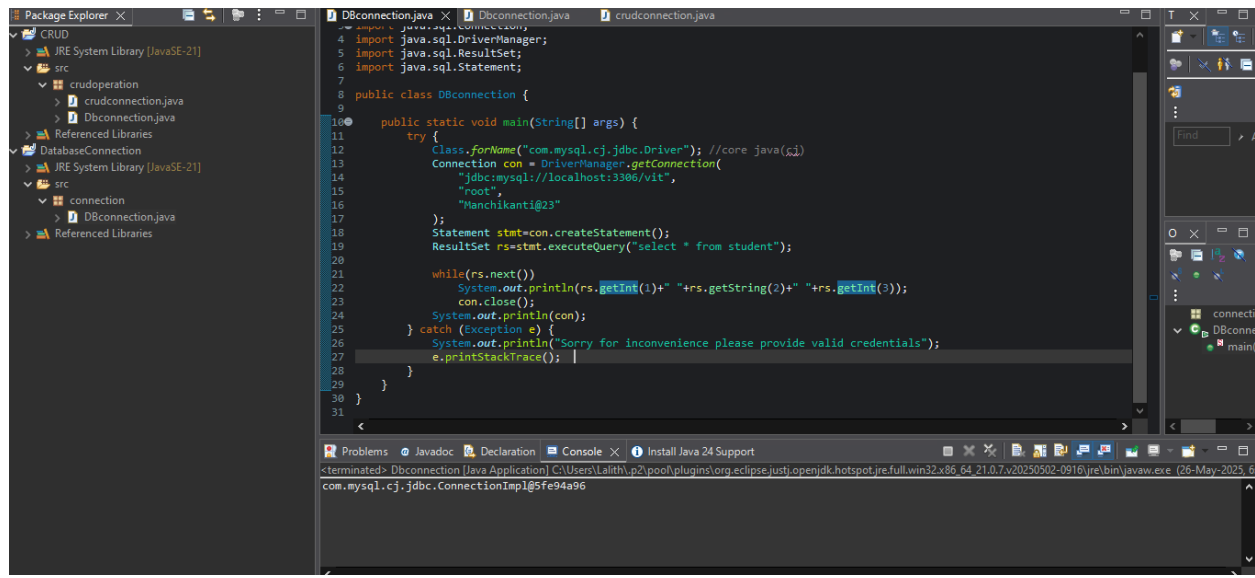
```

Connection con = DriverManager.getConnection(
    "jdbc:mysql://localhost:3306/vit",
    "root",
    "Manchikanti@23"
);
Statement stmt=con.createStatement();
ResultSet rs=stmt.executeQuery("select * from student");

while(rs.next())
    System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getInt(3));
    con.close();
System.out.println(con);
} catch (Exception e) {
    System.out.println("Sorry for inconvenience please provide valid
credentials");
    e.printStackTrace();
}
}
}

```

**Here is the output:**



## CRUD OPERATIONS:

package crudoperation;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

public class crudconnection {

public static void main(String[] args) {

crudconnection obj = new crudconnection();

obj.createData("103", "manoj", 55);

obj.createData("104", "karthik", 65);

}

```

public void createData(String sIdNo, String name, int mark) {
    Connection connection = getConnection();

    PreparedStatement ps = null;
    try {
        String query = "INSERT INTO student VALUES (?, ?, ?)";
        ps = connection.prepareStatement(query);
        ps.setString(1, sIdNo);
        ps.setString(2, name);
        ps.setInt(3, mark);
        System.out.println(ps); // prints the query with parameters
        ps.executeUpdate();    // runs the insert
    } catch (Exception e) {
        System.out.println(e); // prints any error
    }
}

```

```

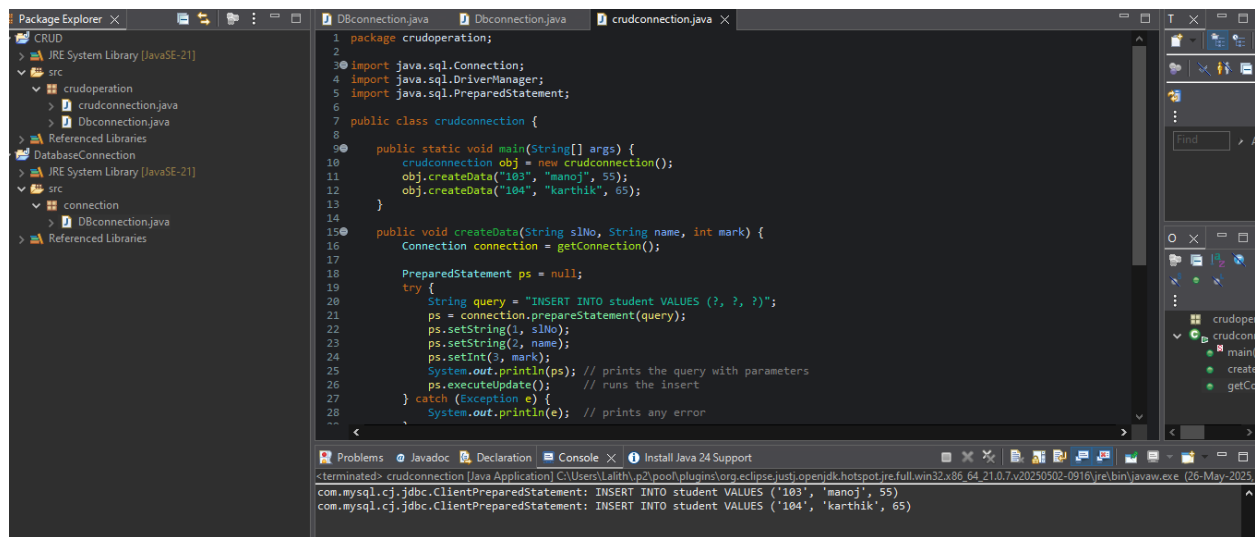
public Connection getConnection() {
    Connection connection = null;
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        connection = DriverManager.getConnection(
            "jdbc:mysql://localhost:3306/vit",
            "root",
            "Manchikanti@23"
        );
    } catch (Exception e) {
        System.out.println(e);
    }
}

```

```

    );
} catch (Exception e) {
    System.out.println(e);
}
return connection;
}
}

```



## Here dbconnection:

```
package crudoperation;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
public class Dbconnection {
```

```

public static void main(String[] args) {
    Dbconnection objDbconnection = new Dbconnection();
    System.out.println(objDbconnection.getConnection());
}

```

```

public Connection getConnection() {
    Connection connection = null;
    try {
        Class.forName("com.mysql.cj.jdbc.Driver"); // Correct driver for MySQL
8+
        connection = DriverManager.getConnection(
            "jdbc:mysql://localhost:3306/vit", // DB URL
            "root",                          // Username
            "Manchikanti@23"                 // Password
        );
    } catch (Exception e) {
        System.out.println(e);
    }
    return connection;
}
}

```

# MYSQL WORK BENCH:

Navigator: sql SQL File 5\*

**MANAGEMENT**

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

**INSTANCE**

- Startup / Shutdown
- Server Logs
- Options File

**PERFORMANCE**

- Dashboard
- Performance Reports
- Performance Schema Setup

Limit to 1000 rows

```
5 • create table student(id int,name varchar(25),marks int);
6 • insert into student values(101,'akshitha',99),(102,'ram',98);
7
8 • select * from student;
9
10 • select * from student;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	id	name	marks
▶	101	akshitha	99
	102	ram	98
	103	manoj	55
	104	karthik	65

Result Grid  
Form Editor