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JDBC Programs

CRUD Application:-

➤ Create Table

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

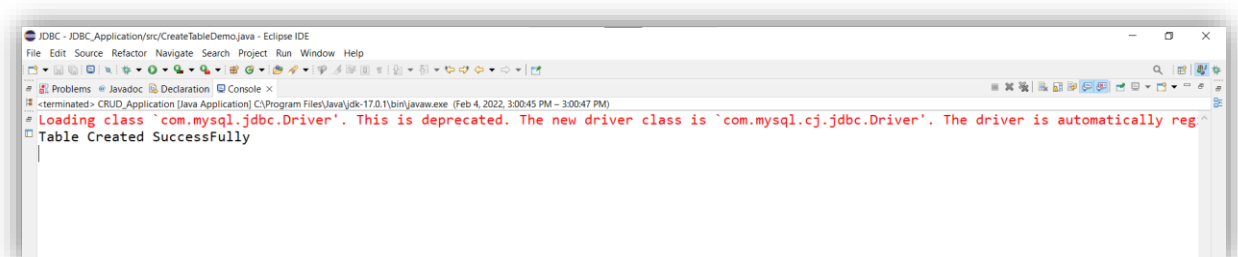
public class CRUD_Application {
    final static String URL ="jdbc:mysql://localhost:3306/test";
    final static String USER_NAME="root";
    final static String PASSWORD="";

    public static void main(String[] args) throws ClassNotFoundException,SQLException {

        //Load The Class
        Class.forName("com.mysql.jdbc.Driver");
        //Creat Connection
        Connection con=
        DriverManager.getConnection(URL,USER_NAME,PASSWORD);
        //Creat statement Object
        Statement stmt=con.createStatement();
        //Write Query
        String sql="create table my_info(id int ,name varchar(2),address
        varchar(20))";
        stmt.addBatch(sql);
        System.out.println("Table Created Successfully");

    }
}
```

Output



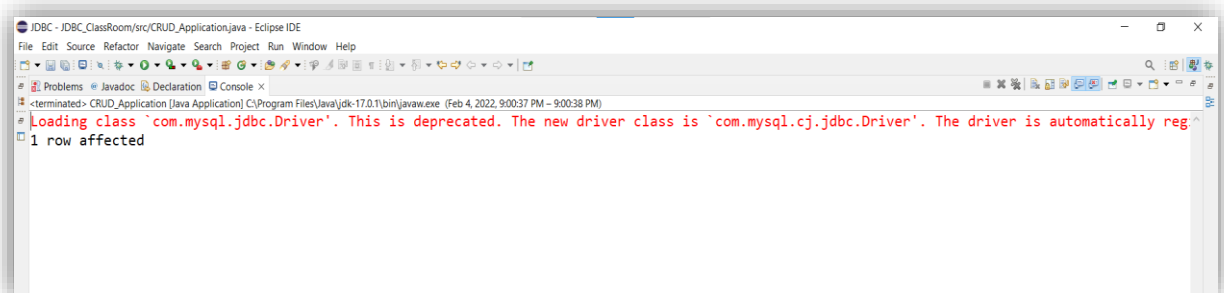
➤ Insert Data

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

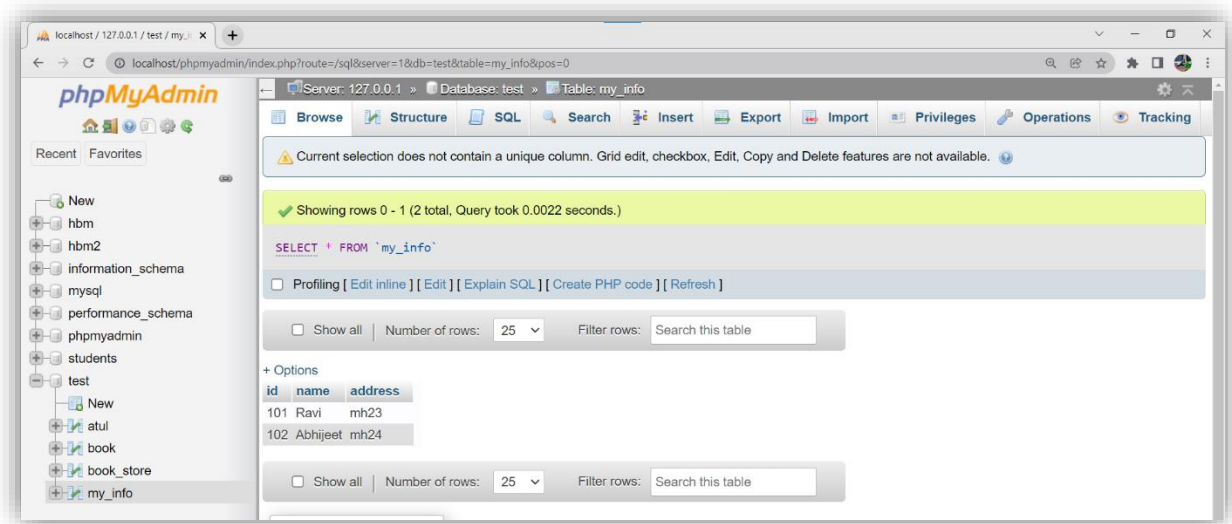
public class CRUD_Application {
    final static String URL ="jdbc:mysql://localhost:3306/test";
    final static String USER_NAME="root";
    final static String PASSWORD="";

    public static void main(String[] args) throws ClassNotFoundException,SQLException
    {
        //Load The Class
        Class.forName("com.mysql.jdbc.Driver");
        //Creat Connection
        Connection con= DriverManager.getConnection(URL,USER_NAME,PASSWORD);
        //Creat statement Object
        Statement stmt=con.createStatement();
        //Write Query
        //String sql="create table my_info(id int ,name varchar(20),address varchar(20))";
        //stmt.execute(sql);
        //System.out.println("Table Created Successfully");
        String sql="insert into my_info(id,name,address)values(102,'Abhijeet','mh24')";
        int row=stmt.executeUpdate(sql);
        System.out.println(row+" row affected");
    }
}
```

Output On Console:-



On Data Base:-



➤ Update Query

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
```

```
public class CRUD_Application {
    final static String URL ="jdbc:mysql://localhost:3306/test";
    final static String USER_NAME="root";
    final static String PASSWORD="";

    public static void main(String[] args) throws ClassNotFoundException,SQLException {
        //Load The Class
        Class.forName("com.mysql.jdbc.Driver");
        //Creat Connection
        Connection con= DriverManager.getConnection(URL,USER_NAME,PASSWORD);
        //Creat statement Object
        Statement stmt=con.createStatement();
        //Write Query
        //String sql="create table my_info(id int ,name varchar(20),address varchar(20))";
        //stmt.execute(sql);
        //System.out.println("Table Created Successfully");
        //String sql="insert into my_info(id,name,address)values(102,'Abhijeet','mh24')";
        //stmt.executeUpdate(sql);
        //int row=stmt.executeUpdate(sql);
        //System.out.println(row+" row affected");
        //String sql="delete from my_info WHERE id=101";
        String sql="update my_info set name='Raj' where id=101";
        //execute Query
        int row=stmt.executeUpdate(sql);
    }
}
```

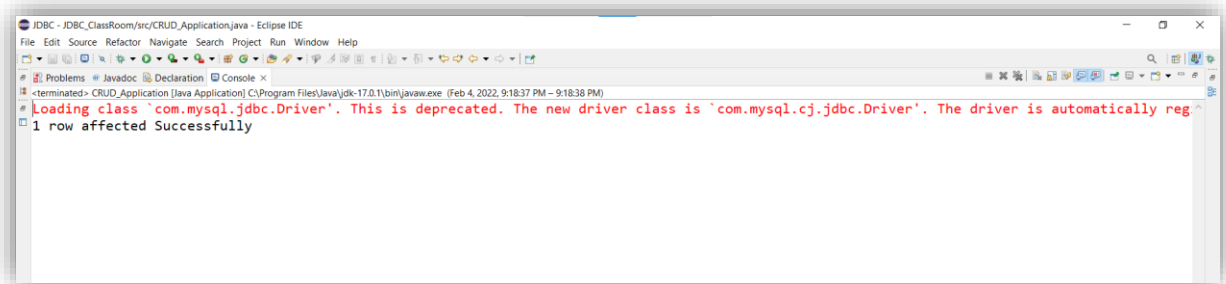
```

        System.out.println(row+ " row affected Successfully");
    }
}

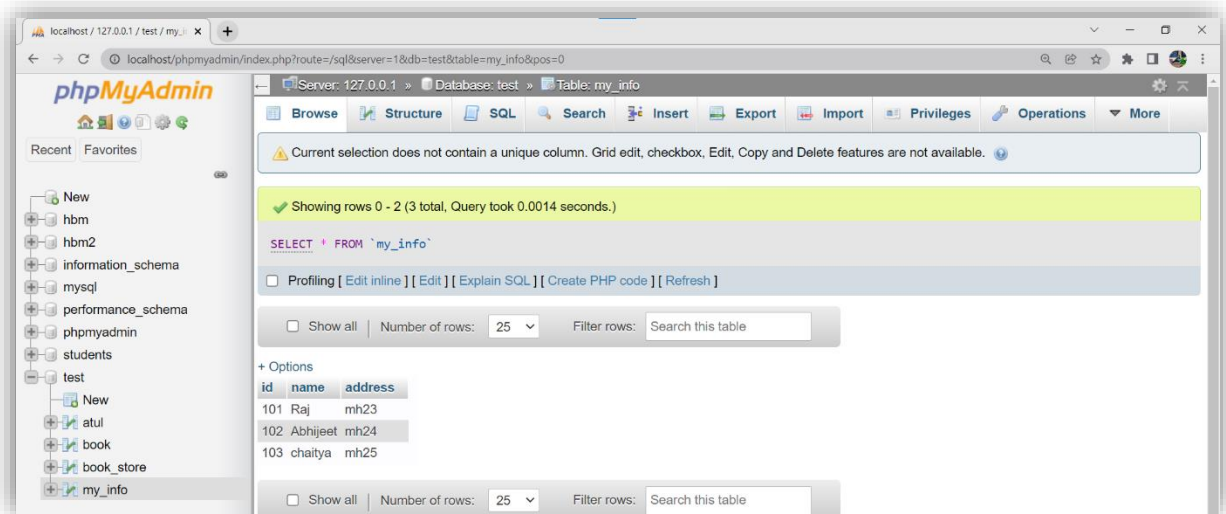
```

Output

On Console:-



On Data Base:-



➤ Get Query

```

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

```

```

public class CRUD_Application {
    final static String URL ="jdbc:mysql://localhost:3306/test";
    final static String USER_NAME="root";
    final static String PASSWORD="";
}

```

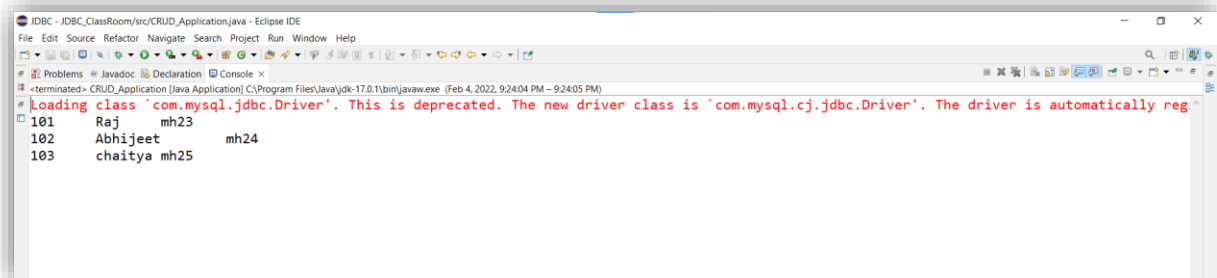
```

public static void main(String[] args) throws ClassNotFoundException,SQLException {
    //Load The Class
    Class.forName("com.mysql.jdbc.Driver");
    //Creat Connection
    Connection con= DriverManager.getConnection(URL,USER_NAME,PASSWORD);
    //Creat statement Object
    Statement stmt=con.createStatement();
    //Write Query
    ResultSet rs=stmt.executeQuery("select * from my_info");
    while(rs.next()) {

        System.out.println(rs.getInt(1)+"\t"+rs.getString(2)+"\t"+rs.getString(3));
    }
}

```

Output



```

IDBC - IDBC_ClassRoom/src/CRUD_Application.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
<terminated> CRUD_Application [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Feb 4, 2022, 9:24:04 PM - 9:24:05 PM)
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically reg
101 Raj mh23
102 Abhijeet mh24
103 chaitya mh25

```