

Q1. Write a java program to insert data into the student table?

Database: jan13

Table: student

Sid

Name

Enroll

Per

P

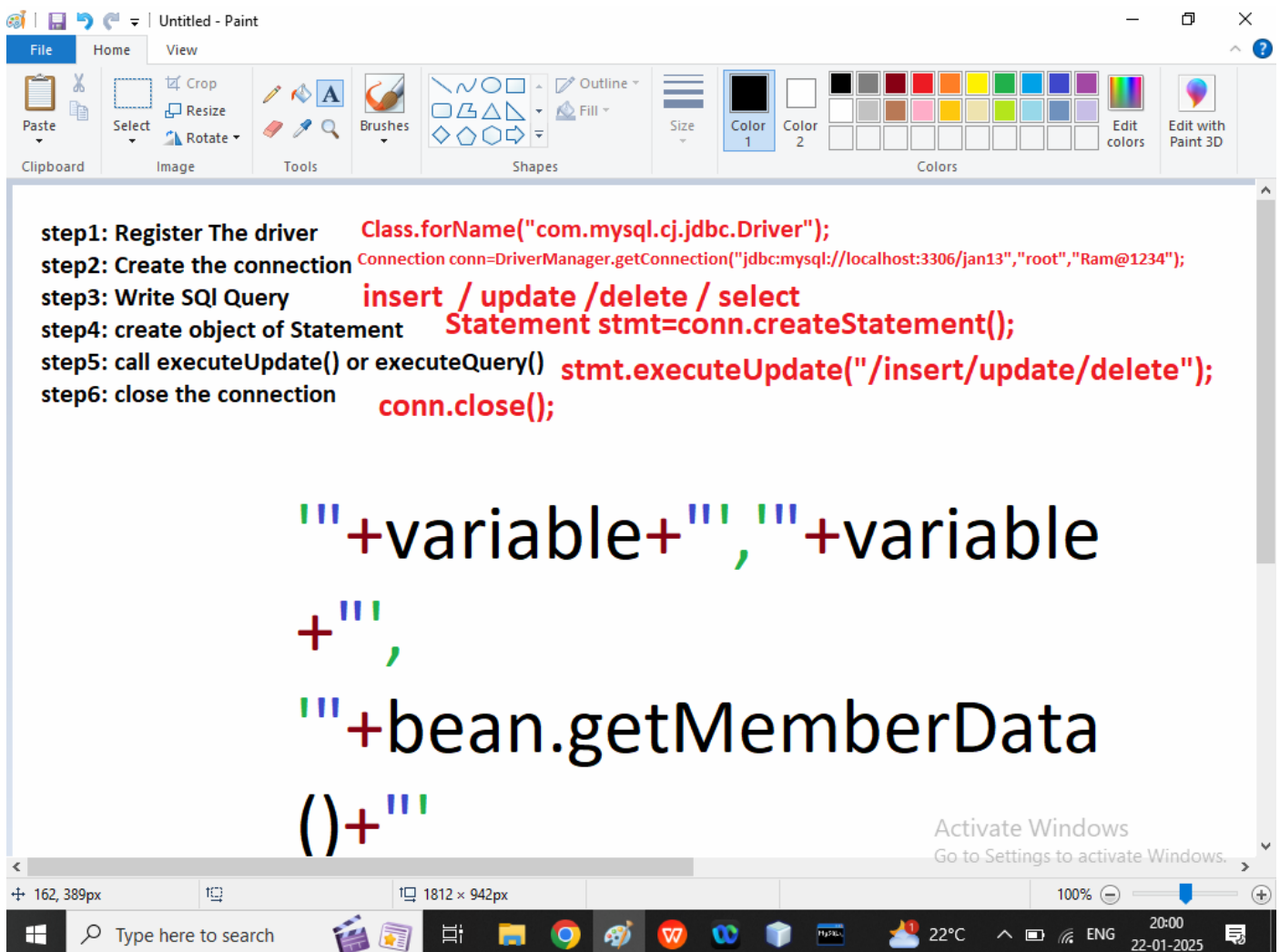
C

M

H

E

Total



How to add jar(mysql connector) File in Netbeans IDE

Right Click on the Project

==>properties==>Libraries==>Add Jar/Folder==>Browse jar and Add

```
package com.ram.databaseoperation;
```

```
import java.sql.*;
```

```
public class InsertData {
```

```
    //main method shortcut  psvm press Tab
```

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

```
        //step1: Register the driver
```

```
        Class.forName("com.mysql.cj.jdbc.Driver");
```

```
        //step2: Create the Connection
```

```
        String url="jdbc:mysql://localhost:3306/jan13";
```

```
        String un="root";
```

```
        String ps="Ram@1234";
```

```
        Connection conn=DriverManager.getConnection(url, un, ps);
```

```
        //step3: Write Sql insert  query
```

```
        int sid=104;
```

```
        String name="Shivam";
```

```
        String enroll="123CS3";
```

```
        int p=81;
```

```
        int c=78;
```

```
        int m=69;
```

```
        int h=50;
```

```
        int e=49;
```

```
        int total=p+c+m+h+e;
```

```
        float per=total/5.0f;
```

```
        String sql="insert into student
```

```
values('"+sid+"','"+name+"','"+enroll+"','"+per+"','"+p+"','"+c+"','"+m+"','"+h+"','"+e+"','"+total+"')";
```

```
        //step4: create an object of Statement
```

```
        Statement stmt=conn.createStatement();
```

```
        //step5: call executeUpdate() method
```

```
        int r=stmt.executeUpdate(sql);
```

```
        //step6: close the connection
```

```
        conn.close();
```

```
        if(r>0){
```

```
            System.out.println("Data insertion success");
```

```
        }else{
```

```
            System.out.println("Data Insertion Fail");
```

```
        }
```

```
    }
```

```
}
```

```
/*
```

```
 * To change this license header, choose License Headers in Project Properties.
```

```
 * To change this template file, choose Tools | Templates
```

```
 * and open the template in the editor.
```

```
*/
```

```
package com.ram.databaseoperation;
```

```
import java.sql.*;
```

```
public class UpdateData {
```

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

```
        //step1: Register the Driver
```

```
        Class.forName("com.mysql.cj.jdbc.Driver");
```

```

//step2: Create The connection
String url="jdbc:mysql://localhost:3306/jan13";
String un="root";
String ps="Ram@1234";
Connection conn=DriverManager.getConnection(url, un, ps);
//step3: Write SQL Query (update)
int sid=104;
String name="hardik";
String enroll="123CS4";
int p=66;
int c=77;
int m=89;
int h=56;
int e=69;
int total=p+c+m+h+e;
float per=total/5.0f;
String sql="update student set
name='"+name+"',enroll='"+enroll+"',p='"+p+"',c='"+c+"',m='"+m+"',h='"+h+"',e='"+e+"',per='"+per+"',total='"+total+"' where
sid='"+sid+"' ";
//step4: Create an object of Statement
Statement stmt=conn.createStatement();
//step5: call executeUpdate() method
int r=stmt.executeUpdate(sql);
//step6: Close the Connection
conn.close();
if(r>0){
    System.out.println("Student Data Updated");
}else{
    System.out.println("Student Data not updated");
}
}
}
}

```

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package com.ram.databaseoperation;

/**
 *
 * @author Admin
 */
import java.sql.*;
public class DeleteData {
    public static void main(String[] args) throws ClassNotFoundException, SQLException {
        //step1: Register the Driver
        Class.forName("com.mysql.cj.jdbc.Driver");
        //step2: Create the Connection
        String url="jdbc:mysql://localhost:3306/jan13";
        String un="root";
        String ps="Ram@1234";
        Connection conn=DriverManager.getConnection(url, un, ps);
        //step3: Write Sql query delete
        int sid=102;
        String sql="delete from student where sid='"+sid+"'";
        //step4: Create Object of Statement
        Statement stmt=conn.createStatement();
        //step5: call executeUpdate()
        int r=stmt.executeUpdate(sql);
        //step6: close the connection
        conn.close();
    }
}

```

```
if(r>0){  
    System.out.println("Data Deleted success");  
}else{  
    System.out.println("Data Not Deleted ");  
}  
}  
}
```
