Write a program to implement MySQL/Oracle database connectivity with any front end language to implement Database navigation operations (add, delete, edit etc.)

```
package sample;
import java.sql.*;
import java.util.*;
import java.io.*;
public class New {
	public static void main(String arg[])
	{
	try{
	Class.forName("com.mysql.cj.jdbc.Driver");
Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/te_a3_13155","root","root");
			PreparedStatement stm=null;
			Statement stmt=conn.createStatement();
			int ch;
			Scanner sc=new Scanner(System.in);
		BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

			do{
				int r;
				String n = null;
				System.out.println("Enter Your choice \n1 Insert\n2 Update\n3
Delete\n4 Display\n5 Exit");
				ch=sc.nextInt();
				switch(ch)
				{
					case 1:
						System.out.println("Enter Roll No");
						r=Integer.parseInt(br.readLine());
						System.out.println("Enter Name");
						n=br.readLine();
```

```
String sql = "insert into student "+ " (roll,name)" + " values (?, ?)";
                    stm = conn.prepareStatement(sql);

                    // set param values
                    stm.setInt(1, r);
            stm.setString(2, n);

                    // 3. Execute SQL query
                    stm.executeUpdate();

                    break;
                case 2:
                    System.out.println("Enter Roll No to update");
                    r=Integer.parseInt(br.readLine());
                    System.out.println("Enter Name");
                    n=br.readLine();
            String query = "update student set name=? where roll=? ";
                stm = conn.prepareStatement(query);
                stm.setString(1, n);
                stm.setInt(2, r);
                stm.executeUpdate();
                    System.out.println("Record updated");
                    break;
                case 3:
                    System.out.println("Enter Roll No to update");
                    r=Integer.parseInt(br.readLine());

                String sql1="DELETE FROM student WHERE roll=?";
                    stm= conn.prepareStatement(sql1);
                    stm.setInt(1, r);
                    stm.execute();
```

```
                                        System.out.println("Record Deleted");


                                        break;
                                case 4:

                                String qr= "SELECT * FROM student ORDER BY roll";
                                        ResultSet rs=stmt.executeQuery(qr);
                                        while(rs.next())
                                        {
                                                r=rs.getInt("roll");
                                                n=rs.getString("name");
                                        System.out.println("Roll No:"+r+ "\tName:"+n);
                                        }
                                        break;


                                case 5:System.out.println("Thank You");


                                        break;
                                default:System.out.println("Invalid Choice");


                                }
                        }while(ch!=5);
                        stmt.close();
                        conn.close();
                }
                catch(Exception e)
                {
                        System.out.println(e);
                }
        }}
```

Output:

Enter Your choice

1 Insert

2 Update

3 Delete

4 Display

5 Exit

1

Enter Roll No

10

Enter Name

riya

Enter Your choice

1 Insert

2 Update

3 Delete

4 Display

5 Exit

1

Enter Roll No

12

Enter Name

Raju

Enter Your choice

1 Insert

2 Update

3 Delete

4 Display

5 Exit

1

Enter Roll No

15

Enter Name

Sima

Enter Your choice

1 Insert

2 Update

3 Delete

4 Display

5 Exit

1

Enter Roll No

18

Enter Name

Neha

Enter Your choice

1 Insert

2 Update

3 Delete

4 Display

5 Exit

2

Enter Roll No to update

12

Enter Name

Joya

Record updated

Enter Your choice

1 Insert

2 Update

3 Delete

4 Display

5 Exit

4

Roll No:10 Name:riya

Roll No:12 Name:Joya

Roll No:15 Name:Sima

Roll No:18 Name:Neha

Enter Your choice

1 Insert

2 Update

3 Delete

4 Display

5 Exit

3

Enter Roll No to update

10

Record Deleted

Enter Your choice

1 Insert

2 Update

3 Delete

4 Display

5 Exit

4

Roll No:12 Name:Joya

Roll No:15 Name:Sima

Roll No:18 Name:Neha

Enter Your choice

1 Insert

2 Update

3 Delete

4 Display

5 Exit

5

Thank You

Connection:

```
package sample;
```

```
import java.sql.*;
public class DBMS {

	public static final String DBURL = "jdbc:mysql://localhost:3306/te_a3_13155";
	public static final String DBUSER = "root";
	public static final String DBPASS = "root";

	public static void main(String[] args) {
		// TODO Auto-generated method stub

		try
		{
		Class.forName("com.mysql.cj.jdbc.Driver");
		System.out.println("Driver is loaded successfully");
		Connection con = DriverManager.getConnection(DBURL, DBUSER, DBPASS);

		System.out.println("Connection is establish");


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

}
```

output:

Driver is loaded successfully

Connection is establish