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Roll no:- 55
Batch:- T4

Title : Implement MYSQL/Oracle database connectivity with PHP/
python/Java Implement Database navigation operations (add, delete, edit,)
using ODBC/JDBC.
****

```java
import java.awt.*; import java.awt.event.*; import java.sql.Connection;
import java.sql.DriverManager; import java.sql.ResultSet; import
java.sql.Statement; import javax.swing.*;
public class student extends JFrame
implements ActionListener{
JFrame f;
JLabel l1, l2,l3,l4;
JTextField t1, t2,t3;
JButton b1, b2, b3, b4,
b5; Connection c;
Statement s; ResultSet
r; student ()
{try{
f=new JFrame("Student Form");
f.setLayout(null);f.setVisible(true);
f.setSize(700, 500); l4=new JLabel("Student
Management System");
//l4.setBounds(100,01,250,250);
l4.setBounds(100, 30, 400, 30); f.add(l4);
l4.setForeground(Color.blue);
l4.setFont(new Font("Serif", Font.BOLD,
30));
l1=new JLabel("Stud_RollNo");
l1.setBounds(50, 70, 100, 50);f.add(l1); l2=new
JLabel("Stud_Name"); l2.setBounds(50, 120,
100, 50);
f.add(l2);
```

```java
l3=new JLabel("Stud_Dept");
l3.setBounds(50, 170, 100,
50); f.add(l3); t1=new
JTextField();
t1.setBounds(150, 90, 100,
30); f.add(t1); t2=new
JTextField();
t2.setBounds(150, 140, 100,
30); f.add(t2);t3=new
JTextField();
t3.setBounds(150, 190, 100,
30);

f.add(t3); b1= new
JButton("ADD");
b1.setBounds(200, 300, 75, 50);
f.add(b1);
b1.addActionListener(this); b2=
new JButton("EDIT");
b2.setBounds(300, 300, 75, 50);
f.add(b2);
b2.addActionListener(this);
b3= new JButton("DELETE");b3.setBounds(400, 300, 75, 50);
f.add(b3); b3.addActionListener(this); b5= new
JButton("EXIT"); b5.setBounds(500, 300, 75, 50); f.add(b5);
b5.addActionListener(this);
Class.forName("com.mysql.jdbc.Driver");
c=DriverManager.getConnection("jdbc:mysql://lo
ca
lhost:3306/info","root","root");s=c.createStatemen
t();
}catch(Exception e){System.out.println(e);}
}//ends INS Constructor
public void actionPerformed(ActionEvent ae){
try{ if(ae.getSource()==b1){String
s1="INSERT INTO
result(stud_RollNo,stud_Name,stud_Dept)
VALUES("+t1.getText()+",'"+t2.getText()
+"','"+t3.getText() + "')";
System.out.println(s1); s.executeUpdate(s1);
r=s.executeQuery("SELECT * FROM
result");
```

```java
    t1.setText("");
    t2.setText("");
    t3.setText("");
    }else if(ae.getSource()==b2){ String
    s2="UPDATE user1 SET
    stud_Name='"+t2.getText()+"' WHERE
    stud_RollNo="+t1.getText();
    System.out.println(s2); s.executeUpdate(s2);
    r=s.executeQuery("SELECT * FROM result");
   t1.setText(""); t2.setText("");t3.setText("");
}else if(ae.getSource()==b3){ String s3="DELETE FROM result WHERE
stud_RollNo="+t1.getText();

    System.out.println(s3); s.executeUpdate(s3);
    r=s.executeQuery("SELECT * FROM
    result");
   t1.setText(""); t2.setText("");
   t3.setText("");}else if(ae.getSource()==b5){System.exit(0); }
    }catch(Exception e){System.out.println(e);}
    }
   public static void main(String
   args[]){ new student();
    }}
```

sl2-pc5@sl2pc5-HP-Compaq-4000-Pro-SFF-PC:~$

mysql -u root -p

Enter password:

 Welcome to the MySQL monitor. Commands end
 with ; or \g.

Your MySQL connection id is 42
Server version: 5.5.61-0ubuntu0.14.04.1 (Ubuntu) Copyright
(c) 2000, 2018, Oracle and/or its affiliates. All rights
reserved. Oracle is a registered trademark of Oracle
Corporation and/or itsaffiliates. Other names may be trademarks of their
respective owners.
 Type 'help;' or '\h' for help. Type '\c' to
 clear the current input statement.
 mysql> create database info;
Query OK, 1 row affected (0.03
sec)
 mysql> use info; Database changed mysql>
 create table result (stud_RollNo
 int,stud_Name varchar(20),stud_Dept
 varchar(20));
Query OK, 0 rows affected (0.08 sec)

mysql> select *from result;
+_____+_____+_____+
| stud_RollNo | stud_Name | stud_Dept |
+_____+_____+_____+
| 1 | abc | comp |
+_____+_____+_____+ 1
row in set (0.00 sec)

//ADD DATA
mysql> select *from result;
+_____+_____+_____+
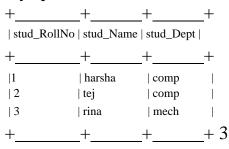| stud_RollNo | stud_Name | stud_Dept |
+_____+_____+_____+
1	abc	comp
2	harsha	comp
	tej	mech
	rina	comp

+————+——+——+ 4
rows in set (0.00 sec)

//DELETE DATA
mysql> select *from result;
+————+——+——+
| stud_RollNo | stud_Name | stud_Dept |
+————+——+——+
1	harsha	comp
2	tej	comp
3	rina	mech
+————+——+——+ 3
rows in set (0.00 sec)