**import** java.sql.\*;

**public** **class** Test {

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

Connection conn =DriverManager.*getConnection*("jdbc:oracle:thin:@coestudb.qu.edu.qa:1521/STUD.qu.edu.qa","ha1401812","ha1401812");

Statement stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery("select ename, empno, sal from emp"); // executeQuery For select

**while** (rs.next()){

String name =rs.getString(1);

**int** number = rs.getInt(2);

**double** salary = rs.getDouble(3);

System.***out***.println(name+" "+number+" "+salary);

}

System.***out***.println(" -------------------- INSERT --------------------- ");

//

// String sqli=" insert into emp (empno,ename,sal,deptno) values (333,'Khaled',4000,10)";

// stmt.executeUpdate(sqli);

System.***out***.println(" --------------------- UPDATE --------------------- ");

// String sqlu=" update emp set sal=9000"+" where empno=333";

// int affectedRows =stmt.executeUpdate(sqlu);

// System.out.println("Number of updated records "+affectedRows);

//

System.***out***.println(" ---------------------- DELETE ----------------- ");

// String sqld=" delete from emp where empno=333";

// int affectedRows=stmt.executeUpdate(sqld);

// System.out.println("Number of updated records "+affectedRows);

System.***out***.println(" -------------------- EXERCISE 1 ------------------- ");

rs.close();

conn.close();

}

}

**import** java.sql.\*;

**public** **class** Dbase {

Connection conn;

Statement stmt;

**public** Dbase() **throws** SQLException{

conn =DriverManager.*getConnection*("jdbc:oracle:thin:@coestudb.qu.edu.qa:1521/STUD.qu.edu.qa","ha1401812","ha1401812");

stmt = conn.createStatement();

}

**public** **void** insertToDept( **int** num, String Name, String Location) **throws** SQLException

{

String sql =" insert into dept (empno,ename,sal,deptno) values ("+num+",'"+Name+"','"+Location+"')";

stmt.executeUpdate(sql);

}

**public** **void** close() **throws** SQLException{

stmt.close();

conn.close();

}

}

import java.awt.BorderLayout;

import java.awt.EventQueue;

import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.border.EmptyBorder;

import javax.swing.JLabel;

import javax.swing.JTextField;

import javax.swing.JButton;

import java.awt.event.ActionListener;

import java.sql.SQLException;

import java.awt.event.ActionEvent;

public class NewDept extends JFrame {

private JPanel contentPane;

private JTextField textField;

private JTextField textField\_1;

private JTextField textField\_2;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

NewDept frame = new NewDept();

frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the frame.

\*/

public NewDept() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

setBounds(100, 100, 450, 300);

contentPane = new JPanel();

contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

setContentPane(contentPane);

contentPane.setLayout(null);

JLabel lblDeptNumber = new JLabel("Dept number");

lblDeptNumber.setBounds(33, 30, 90, 14);

contentPane.add(lblDeptNumber);

JLabel lblName = new JLabel("Name");

lblName.setBounds(43, 65, 46, 14);

contentPane.add(lblName);

JLabel lblLocation = new JLabel("Location");

lblLocation.setBounds(43, 109, 46, 14);

contentPane.add(lblLocation);

textField = new JTextField();

textField.setBounds(140, 27, 86, 20);

contentPane.add(textField);

textField.setColumns(10);

textField\_1 = new JTextField();

textField\_1.setBounds(140, 62, 86, 20);

contentPane.add(textField\_1);

textField\_1.setColumns(10);

textField\_2 = new JTextField();

textField\_2.setBounds(140, 106, 86, 20);

contentPane.add(textField\_2);

textField\_2.setColumns(10);

JButton btnEnter = new JButton("Enter");

btnEnter.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

int num= Integer.parseInt(textField.getText());

String name= textField\_1.getText();

String location= textField\_2.getText();

try{

Dbase newDB = new Dbase();

newDB.insertToDept(num, name, location);

newDB.close();

}catch(SQLException e1){

e1.printStackTrace();

}

}

});

btnEnter.setBounds(66, 184, 89, 23);

contentPane.add(btnEnter);

JButton btnExit = new JButton("Exit");

btnExit.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

dispose();

}

});

btnExit.setBounds(185, 184, 89, 23);

contentPane.add(btnExit);

}

}

import java.awt.BorderLayout;

import java.awt.EventQueue;

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import javax.swing.JLabel;

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}

