**Practical B.1**

Aim – Write a JDBC program that will create a Emp table. The emp table will  
have EmpNo, EmpName, Salary and Location.

Code:-

import java.io.BufferedReader;

import java.io.InputStreamReader;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.Statement;

public class Registration {

public static void main(String[] args) {

// TODO Auto-generated method stub

try {

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

Connection con =DriverManager.getConnection("jdbc:mysql://localhost/news","root","12345678");

System.out.println("Connection created");

Statement st = con.createStatement();

String query = "create table emp(Emp\_No int, Emp\_Name varchar(20),Emp\_Salary int,Location varchar(20));";

st.execute(query);

System.out.println("Table Created!!");

st.close();

con.close();

}

catch(Exception e) {

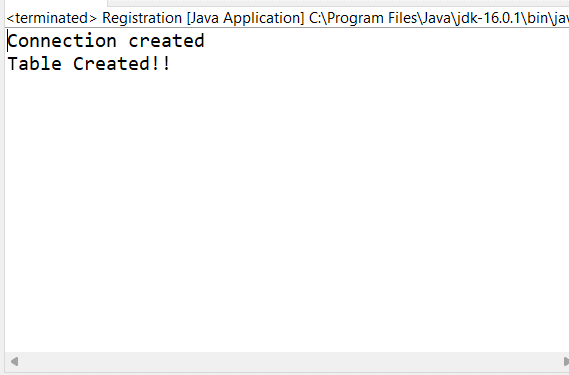
System.out.println(e);

}

}

}

Output:-



**Practical B.2**

**Aim –**Write a JDBC program that will allow user to insert & delete records  
to Emp table.

Code:-

import java.awt.BorderLayout;

import java.awt.EventQueue;

import java.awt.Window;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.border.EmptyBorder;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JTextField;

import javax.swing.JButton;

import java.awt.event.ActionListener;

import java.io.BufferedReader;

import java.io.InputStreamReader;

import java.awt.event.ActionEvent;

public class cat2 extends JFrame {

private JPanel contentPane;

private JTextField t1;

private JTextField t2;

private JTextField t4;

private JTextField t3;

PreparedStatement ps;

String query;

ResultSet rs;

Statement st;

Connection con;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

cat2 frame = new cat2();

frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the frame.

\*/

public cat2() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

setBounds(100, 100, 419, 361);

contentPane = new JPanel();

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

setContentPane(contentPane);

contentPane.setLayout(null);

JLabel lblNewLabel = new JLabel("Emp\_No");

lblNewLabel.setBounds(32, 25, 80, 14);

contentPane.add(lblNewLabel);

JLabel lblNewLabel\_1 = new JLabel("Emp\_Name");

lblNewLabel\_1.setBounds(32, 63, 80, 14);

contentPane.add(lblNewLabel\_1);

JLabel lblNewLabel\_2 = new JLabel("Emp\_Salary");

lblNewLabel\_2.setBounds(32, 104, 80, 14);

contentPane.add(lblNewLabel\_2);

JLabel lblNewLabel\_3 = new JLabel("Location");

lblNewLabel\_3.setBounds(32, 146, 80, 14);

contentPane.add(lblNewLabel\_3);

t1 = new JTextField();

t1.setBounds(144, 22, 86, 20);

contentPane.add(t1);

t1.setColumns(10);

t2 = new JTextField();

t2.setBounds(144, 60, 86, 20);

contentPane.add(t2);

t2.setColumns(10);

t4 = new JTextField();

t4.setBounds(144, 146, 86, 20);

contentPane.add(t4);

t4.setColumns(10);

t3 = new JTextField();

t3.setBounds(144, 101, 86, 20);

contentPane.add(t3);

t3.setColumns(10);

try {

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

con = DriverManager.getConnection("jdbc:mysql://localhost/news","root","12345678");

System.out.println("Connection created");

st = con.createStatement();

/\*query = "select \* from emp";

rs = st.executeQuery(query);

st.execute(query);

rs.next();

show(rs);\*/

}

catch(Exception e) {

System.out.println(e);

}

JButton btnNewButton = new JButton("Add");

btnNewButton.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

int num = Integer.parseInt(t1.getText());

String n = t2.getText();

int s = Integer.parseInt(t3.getText());

String l = t4.getText();

query = "insert into emp values(?,?,?,?)";

try {

ps = con.prepareStatement(query);

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

ps.setInt(1, num);

ps.setString(2, n);

ps.setInt(3, s);

ps.setString(4, l);

int i = ps.executeUpdate();

JOptionPane.showMessageDialog(btnNewButton , i+"record added ");

query = "select \* from emp";

rs = st.executeQuery(query);

String sql = "select \* from emp";

rs = st.executeQuery(sql);

while(rs.next()) {

System.out.print(rs.getInt(1)+" ");

System.out.print(rs.getString(2)+" ");

System.out.print(rs.getInt(3)+" ");

System.out.println(rs.getString(4));

}

//con.close();

//rs.last();

//show(rs);

}

catch(Exception e1) {

System.out.println(e1);

}

}

});

btnNewButton.setBounds(32, 179, 89, 23);

contentPane.add(btnNewButton);

JButton btnNewButton\_1 = new JButton("Remove");

btnNewButton\_1.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

String a = JOptionPane.showInputDialog("Enter Emp\_No ");

int b = Integer.parseInt(a);

query = "delete from emp where Emp\_No = ?";

try {

ps = con.prepareStatement(query);

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

ps.setInt(1, b);

int c = ps.executeUpdate();

JOptionPane.showMessageDialog(btnNewButton , c+"record deleted ");

//query = "select \* from emp";

//rs = st.executeQuery(query);

String sql = "select \* from emp";

rs = st.executeQuery(sql);

while(rs.next()) {

System.out.print(rs.getInt(1)+" ");

System.out.print(rs.getString(2)+" ");

System.out.print(rs.getInt(3)+" ");

System.out.println(rs.getString(4));

}

//con.close();

//rs.last();

//show(rs);

}

catch(Exception e1) {

System.out.println(e1);

}

}

});

btnNewButton\_1.setBounds(141, 179, 89, 23);

contentPane.add(btnNewButton\_1);

JButton btnNewButton\_2 = new JButton("Clear");

btnNewButton\_2.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

t1.setText("");

t2.setText("");

t3.setText("");

t4.setText("");

}

});

btnNewButton\_2.setBounds(256, 179, 89, 23);

contentPane.add(btnNewButton\_2);

}

/\*public void show(ResultSet rs) {

try {

t1.setText(rs.getString(1));

t2.setText(rs.getString(2));

t3.setText(rs.getString(3));

t4.setText(rs.getString(4));

}

catch(Exception ex) {

System.out.println(ex);

}

}\*/

}

Output:-

