DBMS Assignment No.8

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**);**

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://loca** lhost**:**3306**/**info**","**root**","**root**");s=c.createStatement();**

# }

**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");** 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**();**

# }

**}**

Output:

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**.**

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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 **|**

**|** 3 **|** tej **|** comp **|**

**|** 4 **|** rina **|** mech **|**

# +-------------+-----------+ +

4 rows in set **(**0.00 sec**)**

*//DELETE DATA*

mysql**>** select **\***from result**;**

# +-------------+-----------+-----------+

**|** stud\_RollNo**|** stud\_Name**|** stud\_Dept**|**

# +-------------+-----------+-----------+

**|** 2 **|** harsha **|** comp **|**

**|** 3 **|** tej **|** comp **|**

**|** 4 **|** rina **|** mech **|**

# +-------------+-----------+-----------+

3 rows in set **(**0.00 sec**)**