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Title: - Insert and retrieve the data from the database using JDBC.

Problem Statement: - Write a program to insert and retrieve the data from the database using JDBC.

import javax.swing.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.sql.\*;

import java.awt.\*;

public class myClass extends Frame {

Frame f1;

Button b1;

Button b2;

Label lb1;

TextField tf1;

Label lb2;

TextField tf2;

myClass(){

f1 = new Frame();

lb1 = new Label("Enter Name");

lb2 = new Label("Enter RollNo");

tf1 = new TextField();

tf2 = new TextField();

b2 = new Button("Insert");

b1 = new Button("Retrieve");

tf1.setPreferredSize(new Dimension(120,20));

tf2.setPreferredSize(new Dimension(120,20));

b1.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent actionEvent) {

try{

StringBuffer res = new StringBuffer();

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/practical","root", "Lawtok@5");

Statement s = con.createStatement();

ResultSet rs = s.executeQuery("Select \* from dummy");

while (rs.next()){

res.append(rs.getString("fName") + " " + rs.getString("RollNo") + "\r\n");

}

System.out.println(res);

JOptionPane.showMessageDialog(f1,res);

}

catch (Exception e){

JOptionPane.showMessageDialog(f1,"An Unexpected error occurred");

System.out.println("Error occured");

}

}

});

b2.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent actionEvent) {

try{

StringBuffer getName = new StringBuffer(tf1.getText());

StringBuffer getRollNo = new StringBuffer(tf2.getText());

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/practical","root","Sh@kti22261");

Statement s = con.createStatement();

String query1="INSERT INTO `dummy`"

+ " (`fName`, `RollNo`)"

+ "VALUES('" +getName.toString()+"','"+getRollNo.toString()+"')";

//String pass = "INSERT INTO dummy (fName,RollNo) "+"VALUES" + "(" + getName + "," + getRollNo + ")";

s.executeUpdate(query1);

JOptionPane.showMessageDialog(f1,"Insertion successfull");

}

catch (Exception e){

System.out.println(e);

JOptionPane.showMessageDialog(f1,"An Unexpected error occurred");

System.out.println("Error occurred");

}

}

});

f1.add(lb1);f1.add(tf1);f1.add(lb2);f1.add(tf2);f1.add(b1);f1.add(b2);f1.setSize(400,400);

f1.setLayout(new FlowLayout(FlowLayout.LEADING,20,25));f1.setVisible(true);

}

public static void main(String[] args) {

myClass m = new myClass();

}

}