**Practical B.4**  
**Aim –**Write a program to accept username and password from user and verify records from login(uname,password) table if correct display login successful otherwise retry.

Code:-

import java.awt.BorderLayout;

import java.awt.EventQueue;

import java.awt.JobAttributes;

import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.border.EmptyBorder;

import com.mysql.cj.PreparedQuery;

import com.mysql.cj.protocol.Resultset;

import com.mysql.cj.protocol.a.result.ResultsetRowsStatic;

import javax.swing.JButton;

import java.awt.event.ActionListener;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

import java.awt.event.ActionEvent;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JTree;

import javax.swing.JTextField;

public class catB extends JFrame {

private JPanel contentPane;

private JTextField txt1;

private JTextField txt2;

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 {

catB frame = new catB();

frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the frame.

\*/

public catB() {

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 lblNewLabel = new JLabel("Login");

lblNewLabel.setBounds(76, 53, 45, 13);

contentPane.add(lblNewLabel);

JLabel lblNewLabel\_1 = new JLabel("Password");

lblNewLabel\_1.setBounds(76, 110, 45, 13);

contentPane.add(lblNewLabel\_1);

txt1 = new JTextField();

txt1.setBounds(149, 47, 102, 26);

contentPane.add(txt1);

txt1.setColumns(10);

txt2 = new JTextField();

txt2.setBounds(149, 107, 102, 19);

contentPane.add(txt2);

txt2.setColumns(10);

JButton btnNewButton = new JButton("Submit");

btnNewButton.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

try

{

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

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

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

PreparedStatement ps=con.prepareStatement("select name from login where name=? and password=?");

ps.setString(1,txt1.getText());

ps.setString(2,txt2.getText());

ResultSet rs=ps.executeQuery();

if(rs.next())

JOptionPane.showMessageDialog(btnNewButton ," Login Successful");

else

JOptionPane.showMessageDialog(btnNewButton,"Login Failed....");

ps.close();

con.close();

}

catch(Exception e1) {

System.out.println(e1);

}

}

});

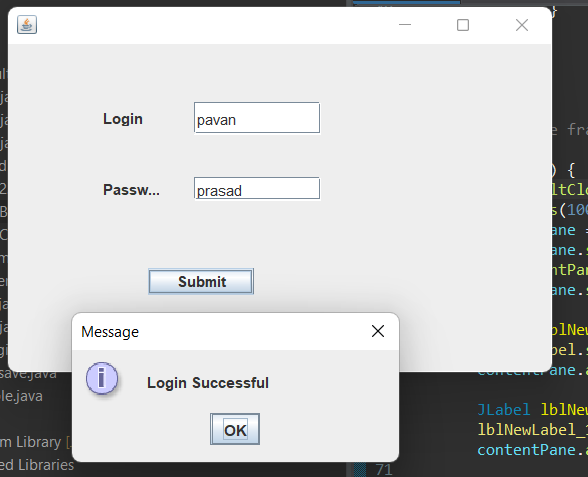
btnNewButton.setBounds(112, 180, 85, 21);

contentPane.add(btnNewButton);

}

}

Output:-



**Practical B.5**

**Aim –**Write a JDBC program to store images of students in a studinfo   (rollno, name, marks, photo) table as well as retrieve image from table.

Code:-

import java.awt.BorderLayout;

import java.awt.EventQueue;

import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.border.EmptyBorder;

import javax.swing.plaf.basic.BasicBorders.RolloverButtonBorder;

import com.mysql.cj.xdevapi.Expression;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.ImageIcon;

import javax.swing.JButton;

import javax.swing.JTextField;

import java.awt.event.ActionListener;

import java.io.File;

import java.io.FileInputStream;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

import java.awt.event.ActionEvent;

public class catC extends JFrame {

private JPanel contentPane;

private JTextField txt1;

private JTextField txt2;

private JTextField txt3;

private JTextField txt4;

Connection con;

PreparedStatement ps;

String query;

ResultSet rs;

Statement st;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

catC frame = new catC();

frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the frame.

\*/

public catC() {

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 lblNewLabel = new JLabel("Roll no:");

lblNewLabel.setBounds(45, 48, 45, 13);

contentPane.add(lblNewLabel);

JLabel lblNewLabel\_1 = new JLabel("Name:-");

lblNewLabel\_1.setBounds(45, 96, 45, 13);

contentPane.add(lblNewLabel\_1);

JLabel lblNewLabel\_2 = new JLabel("Marks");

lblNewLabel\_2.setBounds(45, 141, 45, 13);

contentPane.add(lblNewLabel\_2);

JLabel lblNewLabel\_3 = new JLabel("Photo(Enter paths):");

lblNewLabel\_3.setBounds(0, 182, 105, 13);

contentPane.add(lblNewLabel\_3);

JLabel L4 = new JLabel("");

L4.setBounds(239, 10, 505, 212);

contentPane.add(L4);

JButton btn1 = new JButton("insert");

btn1.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

try {

File f= new File(txt4.getText());

FileInputStream fis= new FileInputStream(f);

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

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

ps=con.prepareStatement("insert into student values(?,?,?,?)");

ps.setInt(1,Integer.parseInt(txt1.getText()));

ps.setString(2,txt2.getText());

ps.setInt(3,Integer.parseInt(txt3.getText()));

ps.setBinaryStream(4,fis,(int)f.length());

ps.executeUpdate();

JOptionPane.showMessageDialog(btn1,"Added");

fis.close();

ps.close();

}

catch(Exception e1) {

System.out.println(e1);

}

}

});

btn1.setBounds(45, 232, 85, 21);

contentPane.add(btn1);

JButton btn2 = new JButton("Clear");

btn2.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

txt1.setText("");

txt2.setText("");

txt3.setText("");

txt4.setText("");

}

});

btn2.setBounds(180, 232, 85, 21);

contentPane.add(btn2);

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

btnNewButton\_2.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

try {

String s = JOptionPane.showInputDialog(btnNewButton\_2,"Your Roll no");

int roll = Integer.parseInt(s);

ps = con.prepareStatement("select photo from student where rollno=?;");

ps.setInt(1,roll);

rs=ps.executeQuery();

byte img[]= new byte[10000];

if(rs.next()) {

img= rs.getBytes("photo");

}

ImageIcon ii = new ImageIcon(img);

L4.setIcon(ii);

}

catch(Exception e2) {

System.out.println(e2);

}

}

});

btnNewButton\_2.setBounds(304, 232, 85, 21);

contentPane.add(btnNewButton\_2);

txt1 = new JTextField();

txt1.setBounds(133, 45, 96, 19);

contentPane.add(txt1);

txt1.setColumns(10);

txt2 = new JTextField();

txt2.setBounds(133, 93, 96, 19);

contentPane.add(txt2);

txt2.setColumns(10);

txt3 = new JTextField();

txt3.setBounds(133, 138, 96, 19);

contentPane.add(txt3);

txt3.setColumns(10);

txt4 = new JTextField();

txt4.setBounds(133, 179, 96, 19);

contentPane.add(txt4);

txt4.setColumns(10);

}

}

Output:-

