**Practical no.-**9

**Title:** Write a program to launch a JProgressBar

**Roll No.:**15 **Batch-** A **Date of Performance:** 28/08/2023

**Code-**

package pract9;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.\*;

public class Progressbar extends JFrame implements ActionListener{

JProgressBar pb;

JButton b1 = new JButton("Submit");

public Progressbar() {

setVisible(true);

setSize(350,200);

setLayout(null);

pb = new JProgressBar(1, 100);

pb.setValue(0);

pb.setStringPainted(true);

b1.setBounds(20, 20, 80, 25);

pb.setBounds(110, 20, 200, 25);

pb.setVisible(false);

add(b1);

add(pb);

b1.addActionListener(this);

setResizable(false);

}

public static void main(String[] args) {

new Progressbar();

}

@Override

public void actionPerformed(ActionEvent e) {

int i = 0;

if (e.getSource() == b1) {

pb.setVisible(true);

try {

while (i <= 100) {

Thread.sleep(50);

pb.paintImmediately(0, 0, 200, 25);

pb.setValue(i);

i++;

}

} catch (Exception e1) {

e1.printStackTrace();

}

}

}

}

**Output-**

