Q. Write a program to create user interface to perform integer divisions. The user enters two nos in the text fields Num1 & Num2 The divisions of Num1 & Num2 is displayed in the result field when the divide button is clicked if Num1 or Num2 were not an integer the program would throw a NumberFormat Exception. If Num2 were zero program would throw an arithmetic exception display the exception in a message dialog box.

→
```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
class SwingDemo{
    SwingDemo(){
    // create jframe container
    JFrame jfrm = new JFrame("Divided App");
    jfrm.setSize(275, 150);
    jfrm.setLayout(new FlowLayout());
    // to terminate on close
    jfrm.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    JLabel jlab = new JLabel("enter divider & dividend:");
    JTextField ajtf = new JTextField(8);
    JTextField bjtf = new JTextField(8);
    JButton button = new JButton("calculate");
    JLabel err = new JLabel();
    JLabel alab = new JLabel();
```

```
jlabel blab = new JLabel();
jlabel anslab = new JLabel();
jfrm.add(evt);
jfrm.add(jlab);
jfrm.add(ajtf);
jfrm.add(bjtf);
jfrm.add(button);
jfrm.add(alab);
jfrm.add(blab);
jfrm.add(anslab);
ActionListener l = new ActionListner(){
    public void actionPerformed(ActionEvent
evt){
    System.out.println("Action event from
a text feild");
}
};
ajtf.addActionListener(l);
bjtf.addActionListener(l);
button.addActionListend(new ActionListner()
    public void actionPerformed(ActionEvent
evt){
    try{
        int a = Integer.parseInt(ajtf.getText()
        int b = Integer.parseint(bjtf.getText(
        int ans = a/b;
        alab.setText("\nA=" + a);
```

```
blab.setText("\nB=" +b);
ansLab.setText("\nAns=" +ans);
}
catch (NumberFormatException e)
{
    alab.setText(" ");
    blab.setText(" ");
    ansLab.SetText(" ");
    err.setText("Enter only integers");
}
catch (ArithmeticException e){
    alab.setText(" ");
    blab.SetText(" ");
    ansLab.setText(" ");
    err.setText("B should be non zero!");
}
});
jfrm.setVisible(true);
}
public static void main(String args[])
{
    SwingUtilities.invokeLater(new Runnable(){
    public void run(){
    new SwingDemo();
}
});
}
```

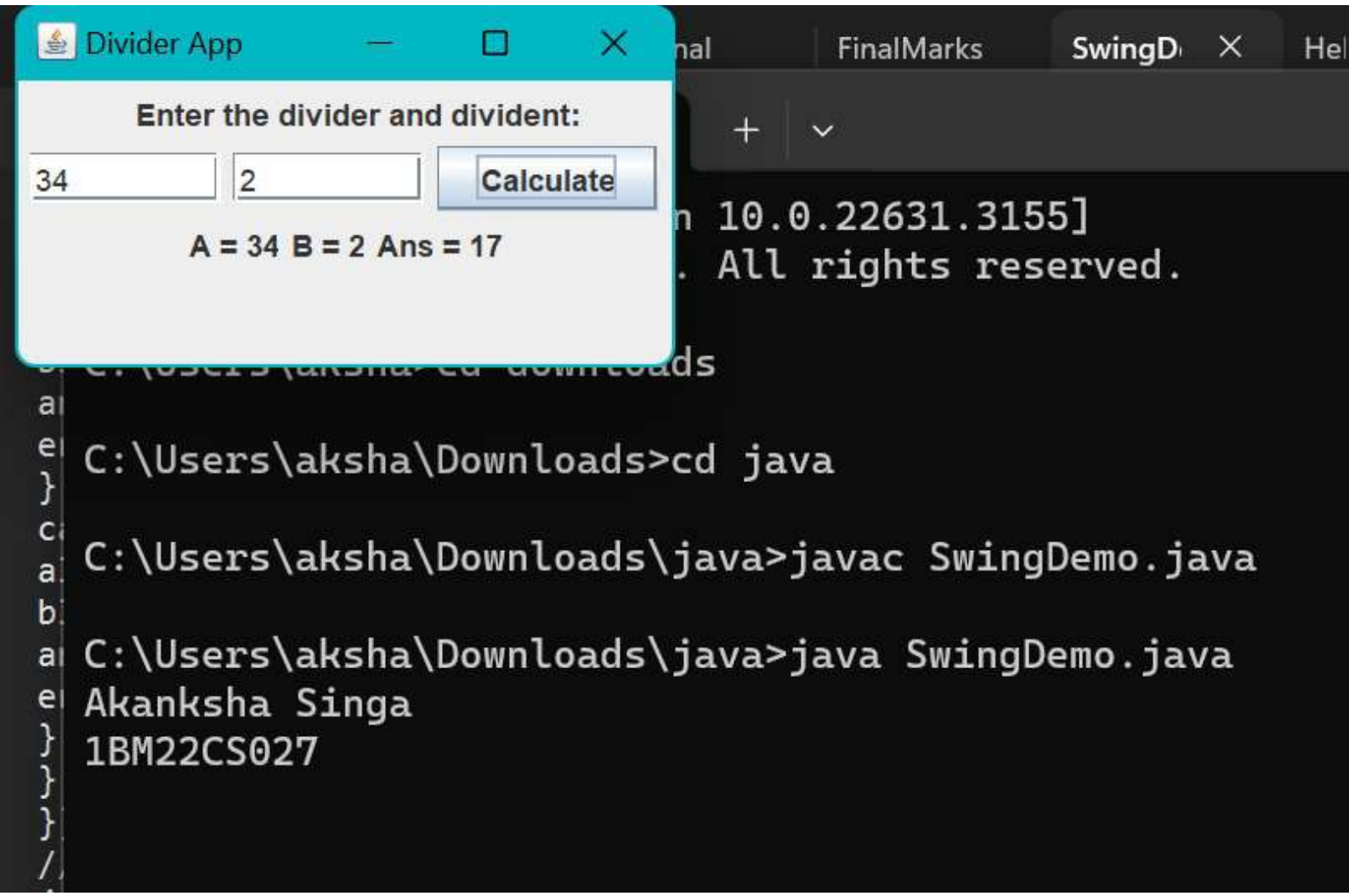
Output

Enter divider & dividend

34	2	Calculate

A=34 B=2 Ans=17

29.02.24


Divider App
Enter the divider and divident:
34
2
Calculate
A = 34 B = 2 Ans = 17
FinalMarks
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C:\Users\aksha\Downloads>cd java
C:\Users\aksha\Downloads\java>javac SwingDemo.java
C:\Users\aksha\Downloads\java>java SwingDemo.java
Akanksha Singa
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