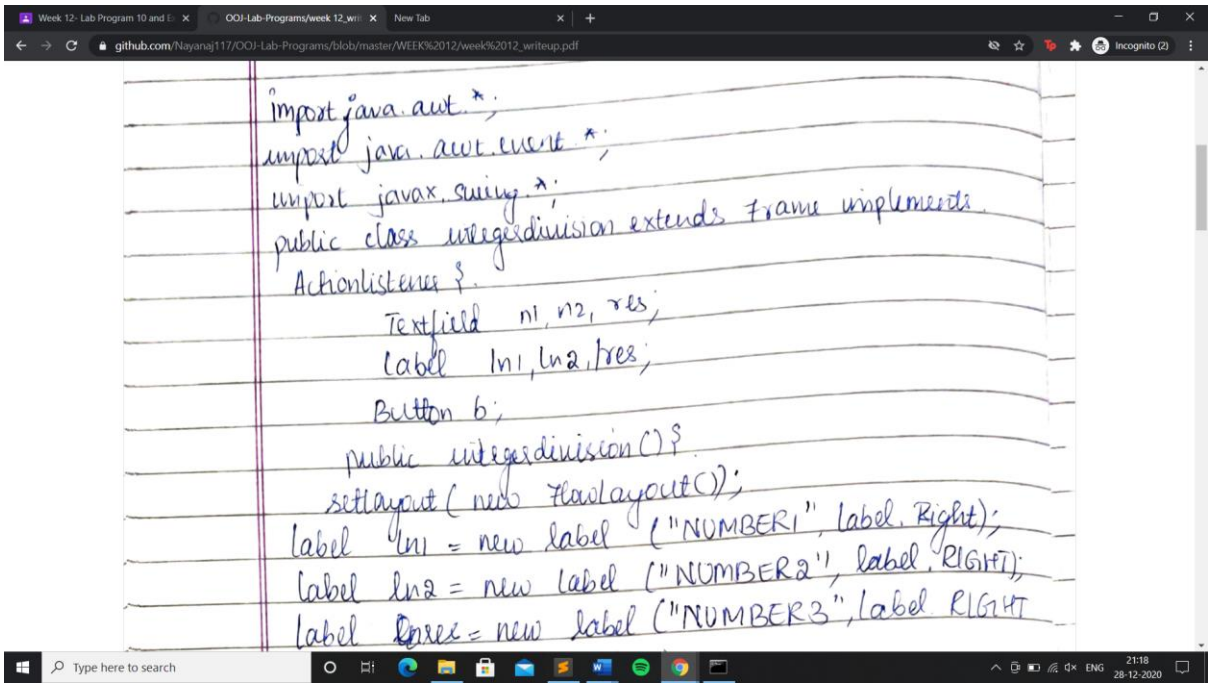
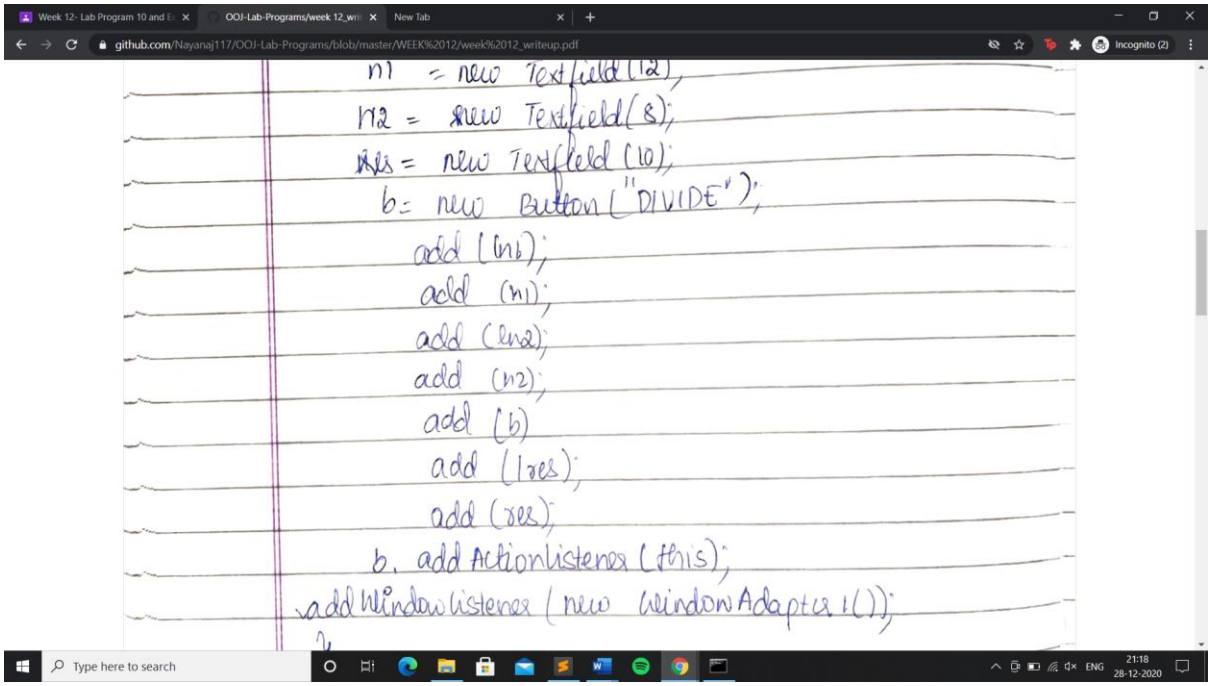
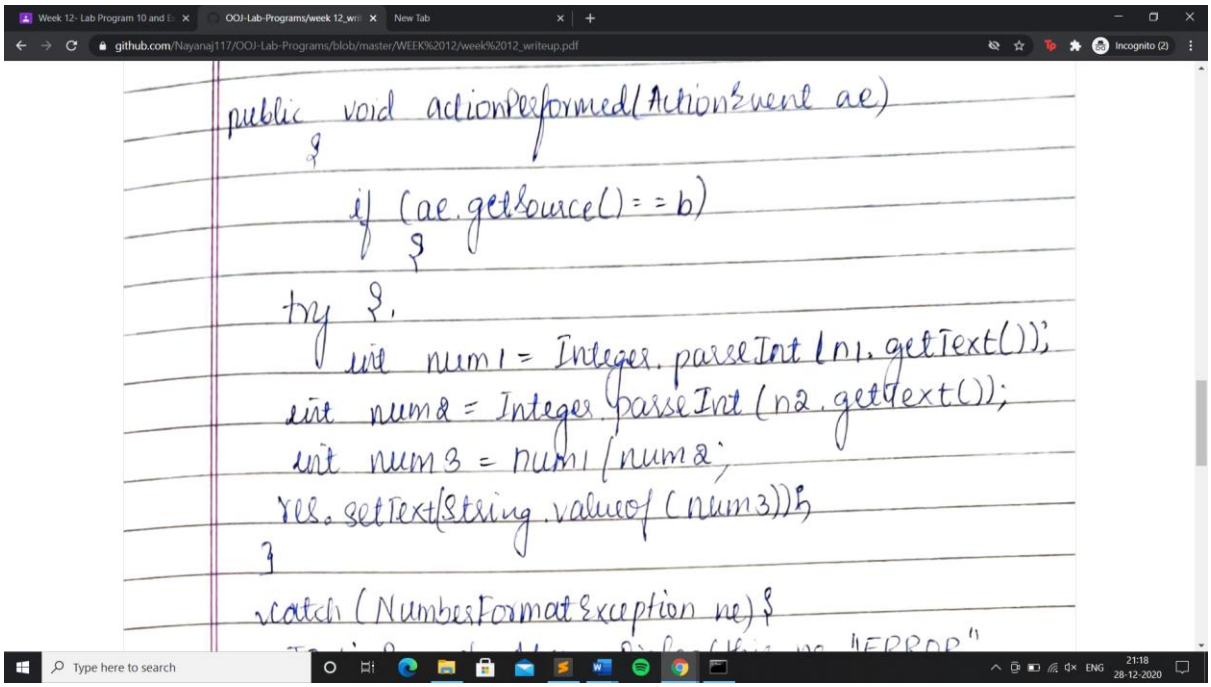
LAB PROGRAM 10

Write a program that creates a user interface to perform integer divisions. The user enters two numbers in the text fields, Num1 and Num2. The division of Num1 and 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 NumberFormatException. If Num2 were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialog box.

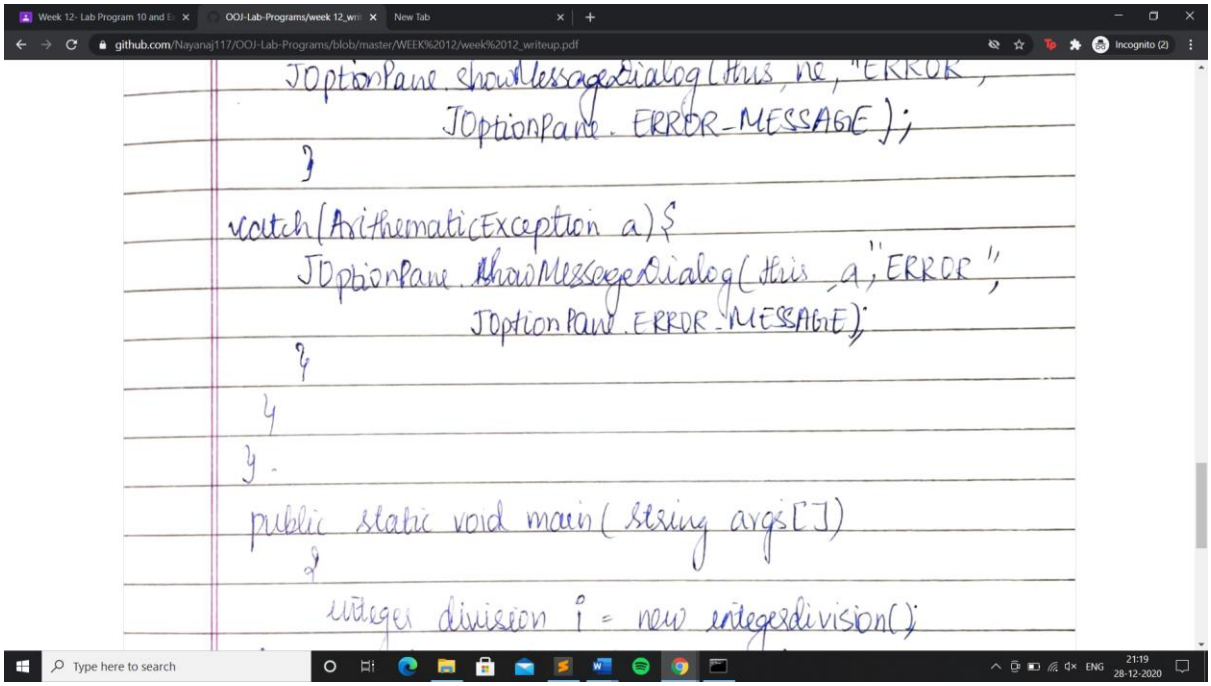




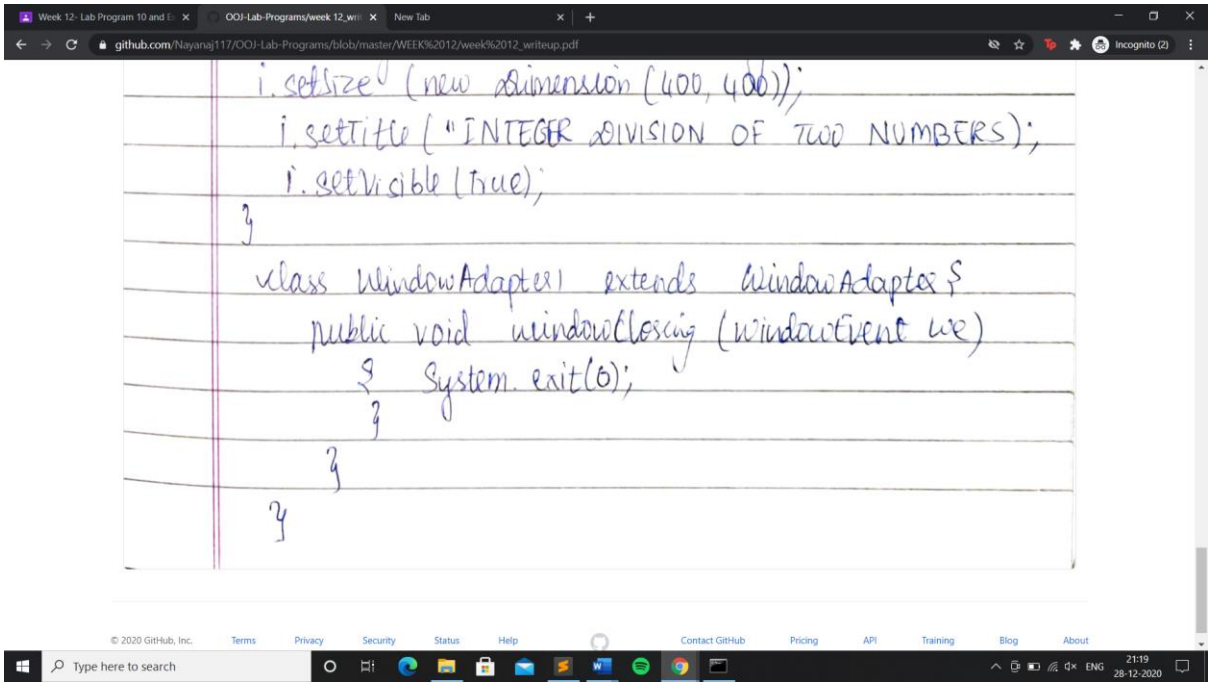
```
n1 = new Textfield(12);
n2 = new Textfield(8);
res = new Textfield(10);
b = new Button("DIVIDE");
add(n1);
add(n1);
add(lres);
add(n2);
add(b)
add(lres);
add(res);
b.addActionListener(this);
addWindowListener(new WindowAdapter());
}
```



```
public void actionPerformed(ActionEvent ae)
{
    if(ae.getSource()==b)
    {
try{
    int num1 = Integer.parseInt(n1.getText());
int num2 = Integer.parseInt(n2.getText());
int num3 = num1/num2;
res.setText(String.valueof(num3));}
}
catch(NumberFormatException ne){
```

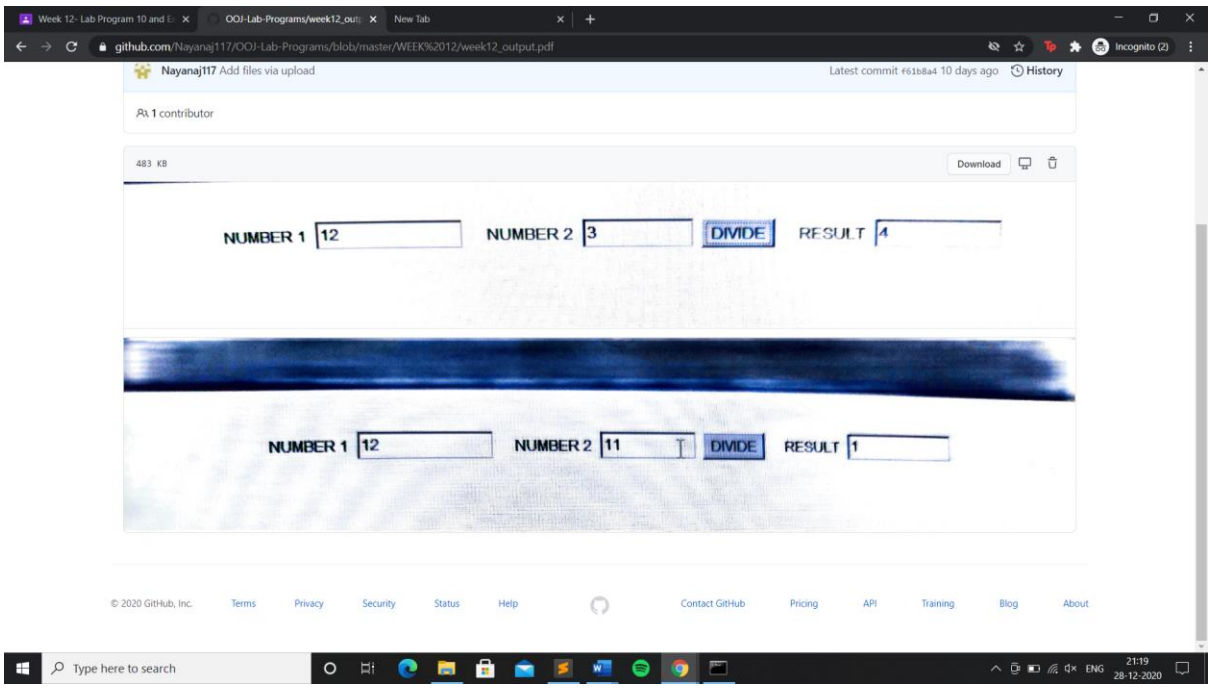


```
JOptionPane.showMessageDialog(this,ne,"ERROR",
                JOptionPane.ERROR_MESSAGE);
        }
catch(ArithematicException a)$
    JOptionPane.showMessageDialog(this,a,"ERROR",
                JOptionPane.ERROR_MESSAGE);
    }
}
}.
public static void main(String args[])
    {
        integerdivision i = new integerdivision();
```



```
i.setSize(new Dimension(400,400));
i.setTitle("INTEGER DIVISION OF TWO NUMBERS");
i.setVisible(true);
}
class WindowAdapter1 extends WindowAdapter$
    public void windowClosing(WindowEvent we)
        { System.exit(0);
        }
    }
}
```

OUTPUT:


Week 12- Lab Program 10 and E
OOJ-Lab-Programs/week12_outp
New Tab
github.com/Nayanaj117/OOJ-Lab-Programs/blob/master/WEEK%2012/week12_output.pdf
Incognito (2)
Nayanaj117 Add files via upload
Latest commit f61b8a4 10 days ago
History
1 contributor
483 KB
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RESULT 4
NUMBER 1 12
NUMBER 2 11
DIVIDE
RESULT 1
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