```java
import java.awt.*;

import java.awt.event.*;


public class MathOp extends Frame implements ActionListener
{ TextField Num1, Num2, Op, Result;

Button Operate;



public MathOp()
{ setLayout(new FlowLayout());

Operate = new Button("Apply");


Label Num1p = new Label("Num1: ", Label.RIGHT);

Label Num2p = new Label("Num2: ", Label.RIGHT);

Label Opp = new Label("Operator: ", Label.RIGHT);

Num1 = new TextField(10);

Num2 = new TextField(10);

Op = new TextField(10);

Result = new TextField(10);

add(Num1p);

add(Num1);

add(Num2p);

add(Num2);

add(Opp);

add(Op);

add(Operate);

add(Result);


Operate.addActionListener(this);


addWindowListener(new WindowAdapter(){

public void windowClosing(WindowEvent we)
```

```java
{ System.exit(0); }
});
}
public void actionPerformed(ActionEvent ae)
{ int a,b,r;
String o;
o=Op.getText();
a = Integer.parseInt(Num1.getText());
b = Integer.parseInt(Num2.getText());

switch(o)
{ case "+" : Result.setText(""+(a+b));
break;
case "-" : Result.setText(""+(a-b));
break;
case "*" : Result.setText(""+(a*b));
break;
case "%" : Result.setText(""+(a%b));
break;
case "/" : if(b==0)
Result.setText("Invalid");
else
Result.setText(""+(a/b));
break;
default  :
}
}

public static void main(String args[])
{ MathOp appwin = new MathOp();
appwin.setSize(new Dimension(700,700));
appwin.setTitle("Math Operations");
```

appwin.setVisible(true);

}

}

```
D:\Java\jdk1.8.0_261\bin\prog>javac MathOp.java

D:\Java\jdk1.8.0_261\bin\prog>java MathOp
```

Math Operations

Num1: `100`   Num2: `23`   Operator: `+`   [Apply] `123`

```
D:\Java\jdk1.8.0_261\bin\prog>javac MathOp.java

D:\Java\jdk1.8.0_261\bin\prog>java MathOp
```

Math Operations

Num1: `100`   Num2: `23`   Operator: `-`   [Apply] `77`

Math Operations

Num1: `100` Num2: `23` Operator: `*` [Apply] `2300`

Command Prompt - java MathOp

```
D:\Java\jdk1.8.0_261\bin\prog>javac MathOp.java

D:\Java\jdk1.8.0_261\bin\prog>java MathOp
```

Math Operations

Num1: `100` Num2: `23` Operator: `/` [Apply] `4`

D:\Java\jdk1.8.0_261\bin\prog>javac MathOp.java

D:\Java\jdk1.8.0_261\bin\prog>java MathOp

Math Operations

Num1: `100`   Num2: `23`   Operator: `%`   [Apply]   `8`

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D:\Java\jdk1.8.0_261\bin\prog>javac MathOp.java

D:\Java\jdk1.8.0_261\bin\prog>java MathOp

Math Operations

Num1: `100`   Num2: `0`   Operator: `/`   [Apply]   `Invalid`

ENG 16:06 27-12-2020