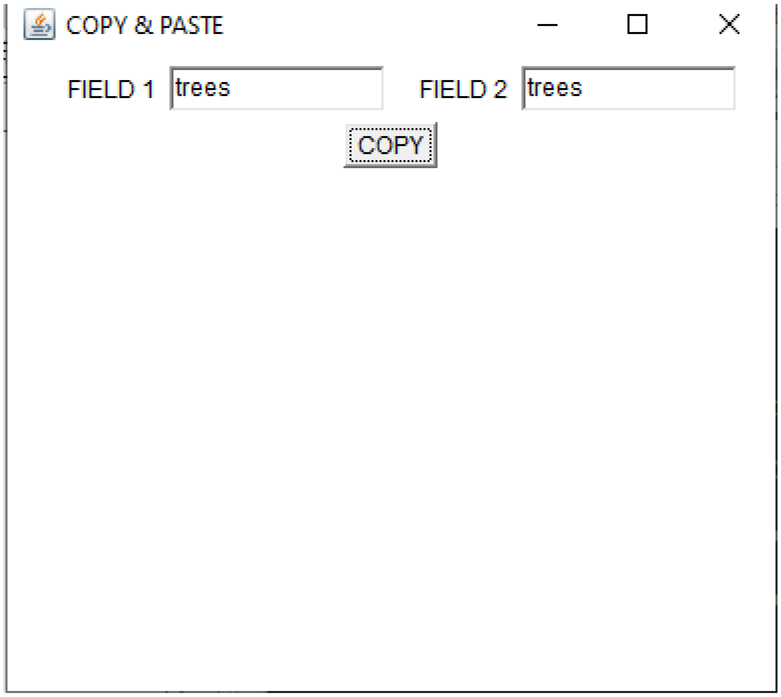
WEEK 13 EXTRA PROGRAMS EXECUTION

1. EXTRA PROGRAM 1

```
import java.awt.*;

import java.awt.event.*;


public class CopyPaste extends Frame implements
ActionListener{

   TextField f1, f2;

   Label lf1, lf2;

   Button b;


   public CopyPaste(){

      setLayout(new FlowLayout());

      Label lf1 = new Label("FIELD 1", Label.RIGHT);

      Label lf2 = new Label("FIELD 2", Label.RIGHT);

      f1 = new TextField(12);

      f2 = new TextField(12);

      b = new Button("COPY");

      add(lf1);
   add(f1);

   add(lf2);

   add(f2);

   add(b);

   b.addActionListener(this);

   addWindowListener(new WindowAdapter1());


}

public void actionPerformed(ActionEvent ae){

    if(ae.getSource()==b){


          String text1= f1.getText();

          f2.setText(text1);


    }

}


public static void main(String args[]) {
        CopyPaste cp = new CopyPaste();

        cp.setSize(400, 400);

        cp.setTitle("COPY & PASTE");

        cp.setVisible(true);

    }


    class WindowAdapter1 extends WindowAdapter {

        public void windowClosing(WindowEvent we) {

            System.exit(0);

        }

    }

}
```

OUTPUT:



FIELD 1 trees FIELD 2 trees

2. EXTRA PROGRAM 2

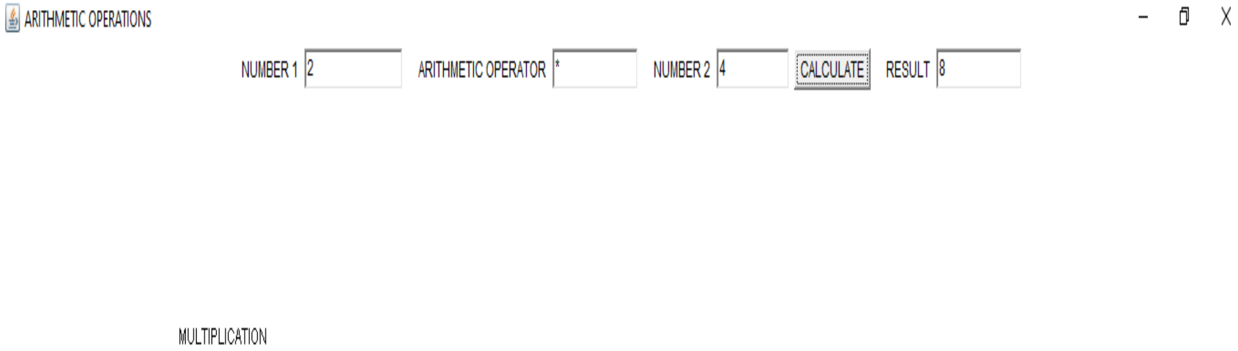
```
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
public class ArithOp extends Frame implements ActionListener{
    String msg="";
    TextField n1,n2,res,a;
    Label ln1,ln2,lres,la;
    Button b;
    public ArithOp(){
        setLayout(new FlowLayout());
        Label ln1=new Label("NUMBER 1",Label.RIGHT);
        Label ln2=new Label("NUMBER 2",Label.RIGHT);
        Label lres=new Label("RESULT",Label.RIGHT);
        Label la=new Label("ARITHMETIC OPERATOR",Label.RIGHT);
        n1=new TextField(12);
        n2=new TextField(8);
        res=new TextField(10);
        a=new TextField(10);
        b=new Button("CALCULATE");
        add(ln1);
        add(n1);
        add(la);
        add(a);
        add(ln2);
        add(n2);
        add(b);
        add(lres);
```

```
      add(res);
      b.addActionListener(this);
  addWindowListener(new WindowAdapter1());
}
public void actionPerformed(ActionEvent ae)
{
   if(ae.getSource()==b)
   {
      try{
      int num1=Integer.parseInt(n1.getText());
      int num2=Integer.parseInt(n2.getText());
      char c=a.getText().charAt(0);
      int num3;
      switch(c)
      {
        case '+':
          num3=num1+num2;
          res.setText(String.valueOf(num3));
          msg="ADDITION";
          repaint();
          break;
case '-':
          num3=num1-num2;
          res.setText(String.valueOf(num3));
          msg="SUBTRACTION";
          repaint();
          break;
 case '/':
          num3=num1/num2;
          res.setText(String.valueOf(num3));
          msg="DIVISION";
          repaint();
          break;
      case '*':
          num3=num1*num2;
          res.setText(String.valueOf(num3));
          msg="MULTIPLICATION";
          repaint();
          break;
      default:
          num3=0;
          res.setText(String.valueOf(num3));
    }
  }catch(Exception e ){
JOptionPane.showMessageDialog(this,e,"ERROR",
JOptionPane.ERROR_MESSAGE);
  }
```

```
}

}

public void paint(Graphics g)

{

    g.drawString(msg,200,200);

}

public static void main(String args[])

{

    ArithOp i=new ArithOp();

    i.setSize(300,300);

    i.setTitle("ARITHMETIC OPERATIONS");

    i.setVisible(true);

}


 class WindowAdapter1 extends WindowAdapter{

    public void windowClosing(WindowEvent we)
```

```
     {
         System.exit(0);
     }
 }
}
```

OUTPUT:



ARITHMETIC OPERATIONS

NUMBER 1 2   ARITHMETIC OPERATOR *   NUMBER 2 4   CALCULATE   RESULT 8

MULTIPLICATION