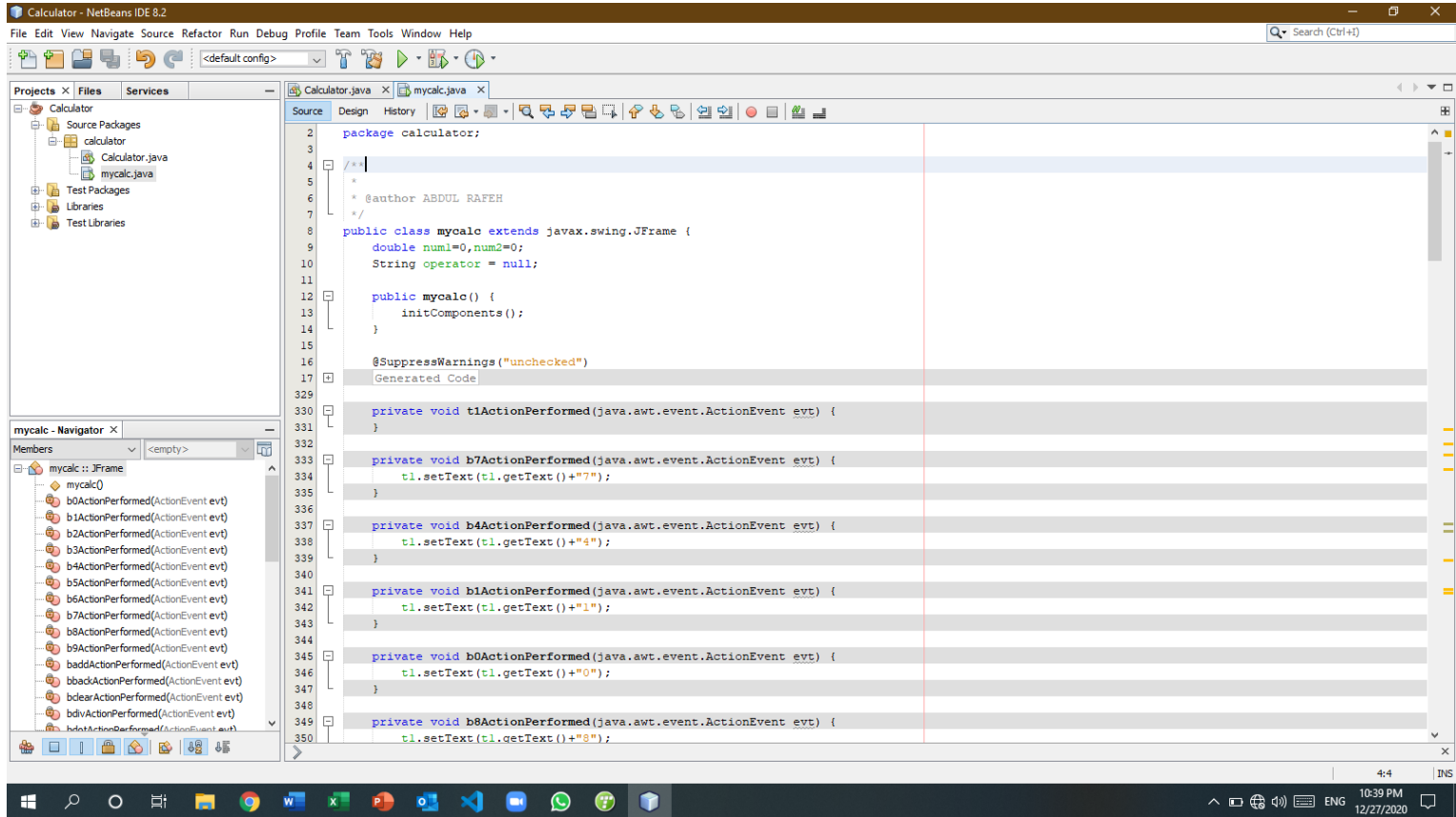


## Program Coding NetBeans SS:



Calculator - NetBeans IDE 8.2

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Calculator

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calculator

Calculator.java

mycalc.java

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mycalc - Navigator

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mycalc :: JFrame

mycalc()

b0ActionPerformed(ActionEvent evt)

b1ActionPerformed(ActionEvent evt)

b2ActionPerformed(ActionEvent evt)

b3ActionPerformed(ActionEvent evt)

b4ActionPerformed(ActionEvent evt)

b5ActionPerformed(ActionEvent evt)

b6ActionPerformed(ActionEvent evt)

b7ActionPerformed(ActionEvent evt)

b8ActionPerformed(ActionEvent evt)

baddActionPerformed(ActionEvent evt)

bbackActionPerformed(ActionEvent evt)

bclearActionPerformed(ActionEvent evt)

bdivActionPerformed(ActionEvent evt)

bdotActionPerformed(ActionEvent evt)

Source

```

package calculator;

/*
 * @author ABDUL RAFAH
 */

public class mycalc extends javax.swing.JFrame {
    double num1=0,num2=0;
    String operator = null;

    public mycalc() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    Generated Code

    private void t1ActionPerformed(java.awt.event.ActionEvent evt) {
    }

    private void b7ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"7");
    }

    private void b4ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"4");
    }

    private void b1ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"1");
    }

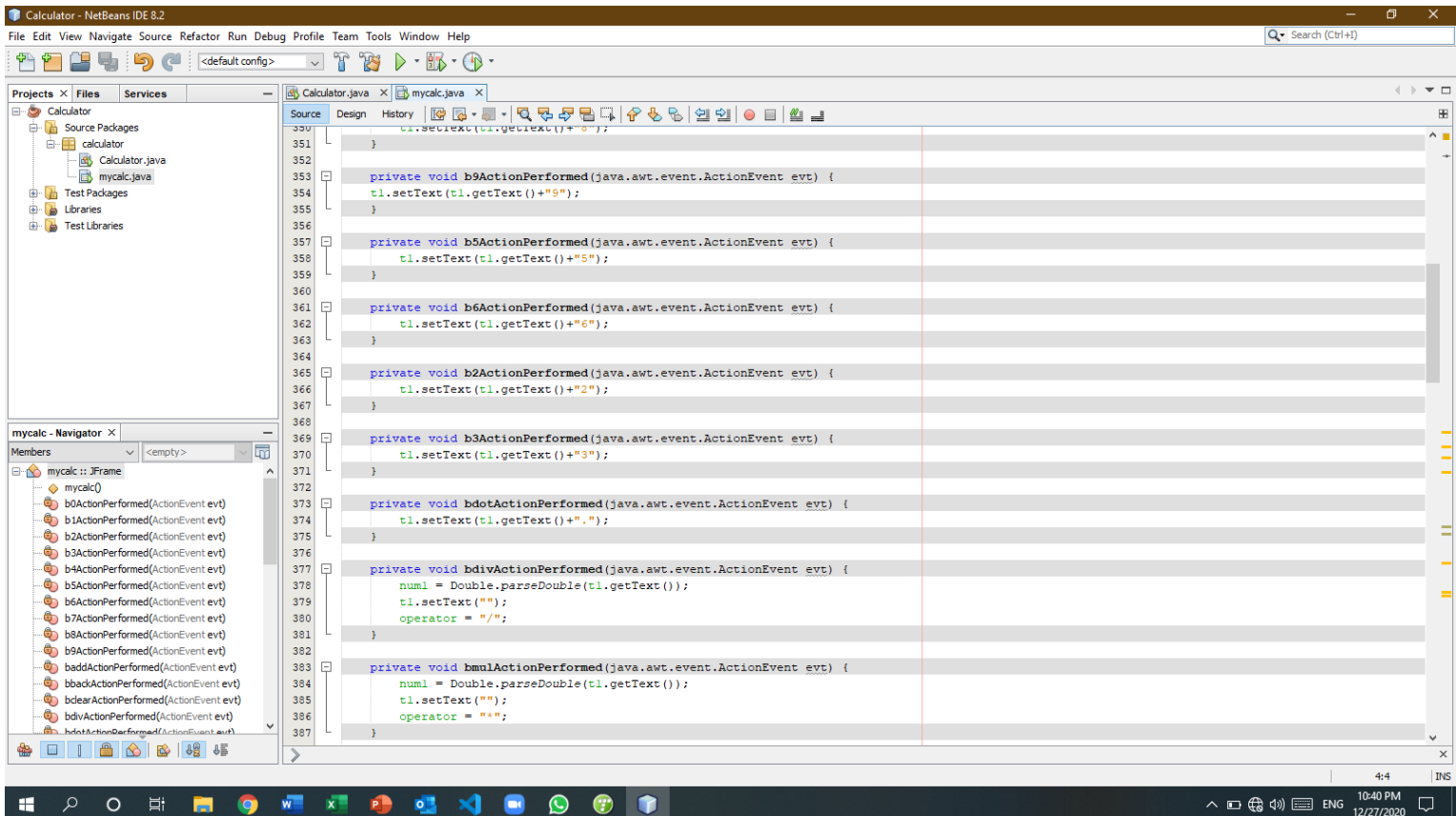
    private void b0ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"0");
    }

    private void b8ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"8");
    }

```

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b6ActionPerformed(ActionEvent evt)

b7ActionPerformed(ActionEvent evt)

b8ActionPerformed(ActionEvent evt)

baddActionPerformed(ActionEvent evt)

bbackActionPerformed(ActionEvent evt)

bclearActionPerformed(ActionEvent evt)

bdivActionPerformed(ActionEvent evt)

Source

```

        t1.setText(t1.getText()+"6");
    }

    private void b9ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"9");
    }

    private void b5ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"5");
    }

    private void b6ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"6");
    }

    private void b2ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"2");
    }

    private void b3ActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+"3");
    }

    private void bdotActionPerformed(java.awt.event.ActionEvent evt) {
        t1.setText(t1.getText()+".");
    }

    private void bdivActionPerformed(java.awt.event.ActionEvent evt) {
        num1 = Double.parseDouble(t1.getText());
        t1.setText("");
        operator = "/";
    }

    private void bmulActionPerformed(java.awt.event.ActionEvent evt) {
        num1 = Double.parseDouble(t1.getText());
        t1.setText("");
        operator = "*";
    }

```

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Members

<empty>

mycalc:: JFrame

mycalc()

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b5ActionPerformed(ActionEvent evt)

b6ActionPerformed(ActionEvent evt)

b7ActionPerformed(ActionEvent evt)

b8ActionPerformed(ActionEvent evt)

b9ActionPerformed(ActionEvent evt)

baddActionPerformed(ActionEvent evt)

bbackActionPerformed(ActionEvent evt)

bclearActionPerformed(ActionEvent evt)

bdivActionPerformed(ActionEvent evt)

bmodActionPerformed(ActionEvent evt)

bmultActionPerformed(ActionEvent evt)

bpowerActionPerformed(ActionEvent evt)

bresetActionPerformed(ActionEvent evt)

bsubtractActionPerformed(ActionEvent evt)

bdivideActionPerformed(ActionEvent evt)

bmultiplyActionPerformed(ActionEvent evt)

baddActionPerformed(ActionEvent evt)

bbackActionPerformed(ActionEvent evt)

bclearActionPerformed(ActionEvent evt)

bdivActionPerformed(ActionEvent evt)

bmodActionPerformed(ActionEvent evt)

bmultActionPerformed(ActionEvent evt)

bpowerActionPerformed(ActionEvent evt)

bresetActionPerformed(ActionEvent evt)

bsubtractActionPerformed(ActionEvent evt)

bdivideActionPerformed(ActionEvent evt)

bmultiplyActionPerformed(ActionEvent evt)

Source

```

389 private void bminActionPerformed(java.awt.event.ActionEvent evt) {
390     num1 = Double.parseDouble(t1.getText());
391     t1.setText("");
392     operator = "-";
393 }
394
395 private void baddActionPerformed(java.awt.event.ActionEvent evt) {
396     num1 = Double.parseDouble(t1.getText());
397     t1.setText("");
398     operator = "+";
399 }
400
401 private void bequalActionPerformed(java.awt.event.ActionEvent evt) {
402     num2 = Double.parseDouble(t1.getText());
403     double ans = 0;
404     if (operator == "+") {
405         ans = num1+num2;
406     }
407
408     if (operator == "-") {
409         ans = num1-num2;
410     }
411
412     if (operator == "*") {
413         ans = num1*num2;
414     }
415
416     if (operator == "/") {
417         ans = num1/num2;
418     }
419     t1.setText(""+ans);
420     operator=null;
421 }
422
423 private void bclearActionPerformed(java.awt.event.ActionEvent evt) {
424     t1.setText("");
425 }
426

```

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<empty>

mycalc:: JFrame

mycalc()

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b5ActionPerformed(ActionEvent evt)

b6ActionPerformed(ActionEvent evt)

b7ActionPerformed(ActionEvent evt)

b8ActionPerformed(ActionEvent evt)

b9ActionPerformed(ActionEvent evt)

baddActionPerformed(ActionEvent evt)

bbackActionPerformed(ActionEvent evt)

bclearActionPerformed(ActionEvent evt)

bdivActionPerformed(ActionEvent evt)

bmodActionPerformed(ActionEvent evt)

bmultActionPerformed(ActionEvent evt)

bpowerActionPerformed(ActionEvent evt)

bresetActionPerformed(ActionEvent evt)

bsubtractActionPerformed(ActionEvent evt)

bdivideActionPerformed(ActionEvent evt)

bmultiplyActionPerformed(ActionEvent evt)

baddActionPerformed(ActionEvent evt)

bbackActionPerformed(ActionEvent evt)

bclearActionPerformed(ActionEvent evt)

bdivActionPerformed(ActionEvent evt)

bmodActionPerformed(ActionEvent evt)

bmultActionPerformed(ActionEvent evt)

bpowerActionPerformed(ActionEvent evt)

bresetActionPerformed(ActionEvent evt)

bsubtractActionPerformed(ActionEvent evt)

bdivideActionPerformed(ActionEvent evt)

bmultiplyActionPerformed(ActionEvent evt)

Source

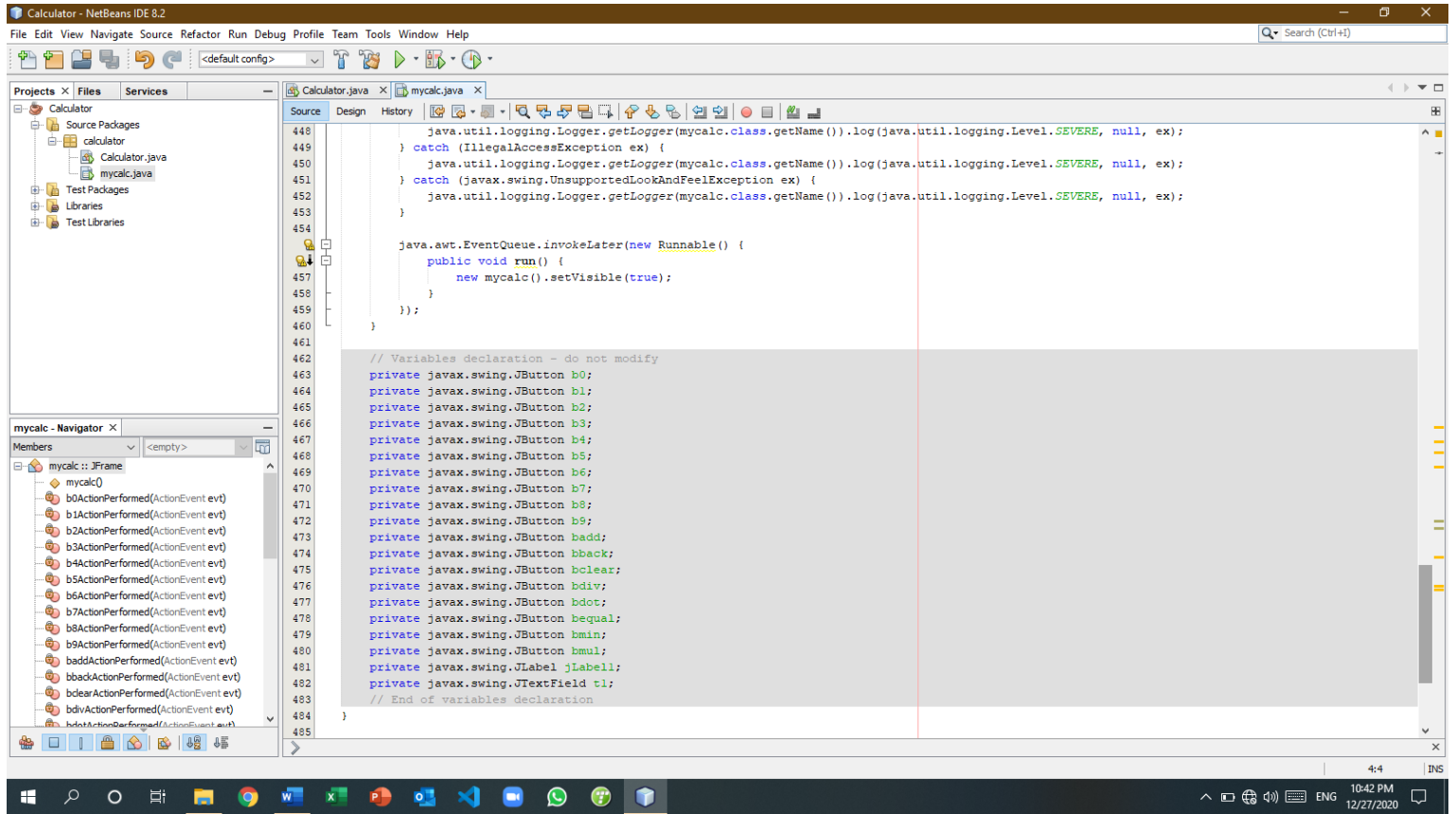
```

427 private void bbackActionPerformed(java.awt.event.ActionEvent evt) {
428     String str = t1.getText();
429     t1.setText(str.substring(0, str.length()-1));
430 }
431
432
433 /**
434  * @param args the command line arguments
435  */
436 public static void main(String args[]) {
437
438     try {
439         for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
440             if ("Nimbus".equals(info.getClassName())) {
441                 javax.swing.UIManager.setLookAndFeel(info.getClassName());
442                 break;
443             }
444         }
445     } catch (ClassNotFoundException ex) {
446         java.util.logging.Logger.getLogger(mycalc.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
447     } catch (InstantiationException ex) {
448         java.util.logging.Logger.getLogger(mycalc.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
449     } catch (IllegalAccessException ex) {
450         java.util.logging.Logger.getLogger(mycalc.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
451     } catch (javax.swing.UnsupportedLookAndFeelException ex) {
452         java.util.logging.Logger.getLogger(mycalc.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
453     }
454
455     java.awt.EventQueue.invokeLater(new Runnable() {
456         public void run() {
457             new mycalc().setVisible(true);
458         }
459     });
460
461     // Variables declaration - do not modify
462     private javax.swing.JButton b0;
463     private javax.swing.JButton b1;
464

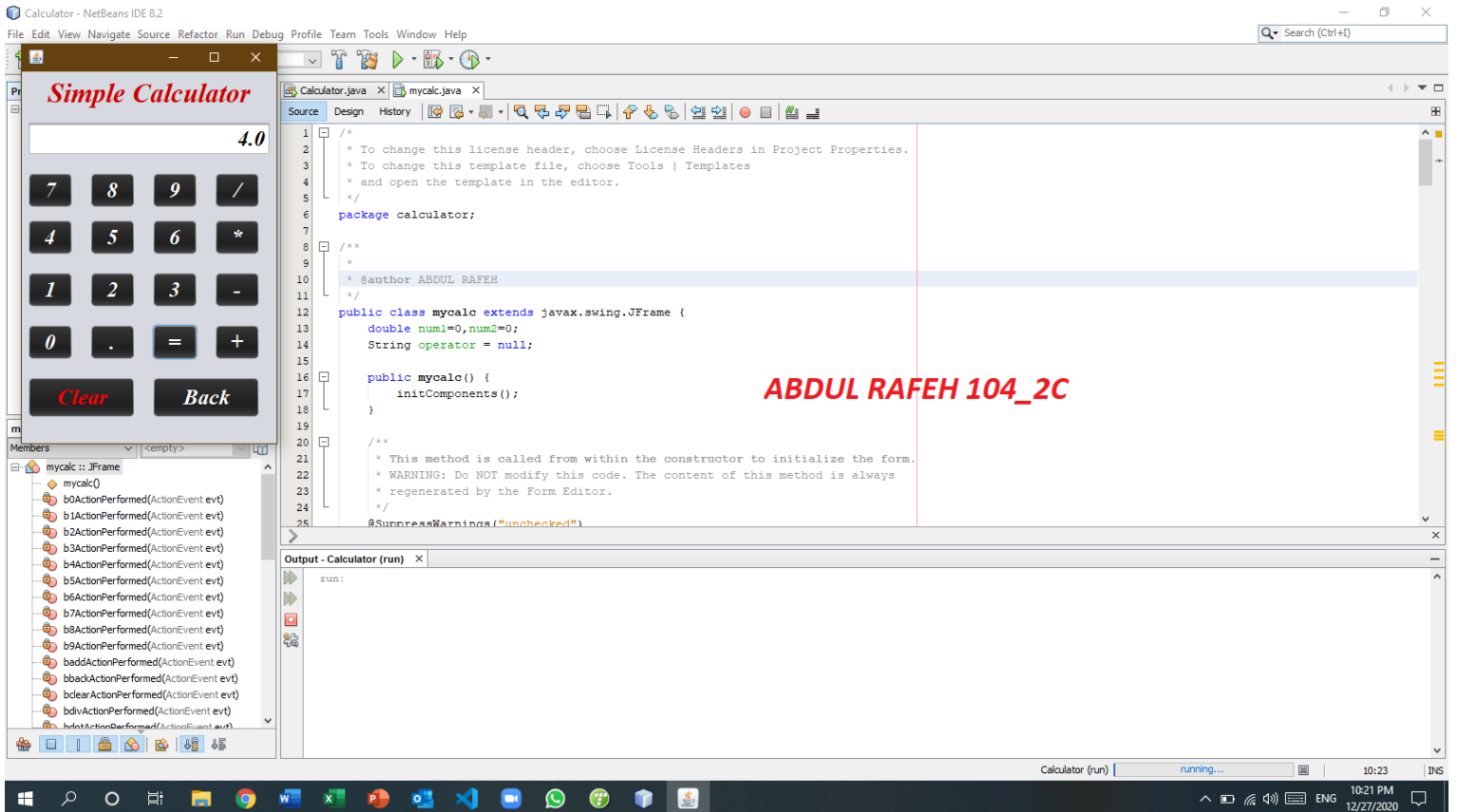
```

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## Output:



## **Program Coding:**

```
package calculator;

/**
 *
 * @author ABDUL RAFEH
 */
public class mycalc extends javax.swing.JFrame {
    double num1=0,num2=0;
    String operator = null;

    public mycalc() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        t1 = new javax.swing.JTextField();
        bdiv = new javax.swing.JButton();
        b7 = new javax.swing.JButton();
        b8 = new javax.swing.JButton();
        b9 = new javax.swing.JButton();
        bmul = new javax.swing.JButton();
        b4 = new javax.swing.JButton();
        b5 = new javax.swing.JButton();
        b6 = new javax.swing.JButton();
        b1 = new javax.swing.JButton();
        b2 = new javax.swing.JButton();
        b3 = new javax.swing.JButton();
        bmin = new javax.swing.JButton();
        bequal = new javax.swing.JButton();
        b0 = new javax.swing.JButton();
        bdot = new javax.swing.JButton();
        badd = new javax.swing.JButton();
        bclear = new javax.swing.JButton();
        bback = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setBackground(new java.awt.Color(255, 255, 255));

        jLabel1.setBackground(new java.awt.Color(255, 102, 102));
        jLabel1.setFont(new java.awt.Font("Times New Roman", 3, 30)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(204, 0, 0));
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel1.setText("Simple Calculator");

t1.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
t1.setHorizontalAlignment(javax.swing.JTextField.TRAILING);
t1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        t1ActionPerformed(evt);
    }
});

bdiv.setBackground(new java.awt.Color(0, 0, 0));
bdiv.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
bdiv.setForeground(new java.awt.Color(255, 255, 255));
bdiv.setText("/");
bdiv.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        bdivActionPerformed(evt);
    }
});

b7.setBackground(new java.awt.Color(0, 0, 0));
b7.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
b7.setForeground(new java.awt.Color(255, 255, 255));
b7.setText("7");
b7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b7ActionPerformed(evt);
    }
});

b8.setBackground(new java.awt.Color(0, 0, 0));
b8.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
b8.setForeground(new java.awt.Color(255, 255, 255));
b8.setText("8");
b8.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b8ActionPerformed(evt);
    }
});

b9.setBackground(new java.awt.Color(0, 0, 0));
b9.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
b9.setForeground(new java.awt.Color(255, 255, 255));
b9.setText("9");
b9.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b9ActionPerformed(evt);
    }
});
```

```
    bmul.setBackground(new java.awt.Color(0, 0, 0));
    bmul.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
    bmul.setForeground(new java.awt.Color(255, 255, 255));
    bmul.setText("*");
    bmul.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            bmulActionPerformed(evt);
        }
    });
```

```
    b4.setBackground(new java.awt.Color(0, 0, 0));
    b4.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
    b4.setForeground(new java.awt.Color(255, 255, 255));
    b4.setText("4");
    b4.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            b4ActionPerformed(evt);
        }
    });
```

```
    b5.setBackground(new java.awt.Color(0, 0, 0));
    b5.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
    b5.setForeground(new java.awt.Color(255, 255, 255));
    b5.setText("5");
    b5.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            b5ActionPerformed(evt);
        }
    });
```

```
    b6.setBackground(new java.awt.Color(0, 0, 0));
    b6.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
    b6.setForeground(new java.awt.Color(255, 255, 255));
    b6.setText("6");
    b6.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            b6ActionPerformed(evt);
        }
    });
```

```
    b1.setBackground(new java.awt.Color(0, 0, 0));
    b1.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
    b1.setForeground(new java.awt.Color(255, 255, 255));
    b1.setText("1");
    b1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            b1ActionPerformed(evt);
        }
    });
```

```
b2.setBackground(new java.awt.Color(0, 0, 0));
b2.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
b2.setForeground(new java.awt.Color(255, 255, 255));
b2.setText("2");
b2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b2ActionPerformed(evt);
    }
});

b3.setBackground(new java.awt.Color(0, 0, 0));
b3.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
b3.setForeground(new java.awt.Color(255, 255, 255));
b3.setText("3");
b3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b3ActionPerformed(evt);
    }
});

bmin.setBackground(new java.awt.Color(0, 0, 0));
bmin.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
bmin.setForeground(new java.awt.Color(255, 255, 255));
bmin.setText("-");
bmin.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        bminActionPerformed(evt);
    }
});

bequal.setBackground(new java.awt.Color(0, 0, 0));
bequal.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
bequal.setForeground(new java.awt.Color(255, 255, 255));
bequal.setText("=");
bequal.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        bequalActionPerformed(evt);
    }
});

b0.setBackground(new java.awt.Color(0, 0, 0));
b0.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
b0.setForeground(new java.awt.Color(255, 255, 255));
b0.setText("0");
b0.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b0ActionPerformed(evt);
    }
});
```



```
        bdot.setBackground(new java.awt.Color(0, 0, 0));
        bdot.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
        bdot.setForeground(new java.awt.Color(255, 255, 255));
        bdot.setText(".");
        bdot.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                bdotActionPerformed(evt);
            }
        });

        badd.setBackground(new java.awt.Color(0, 0, 0));
        badd.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
        badd.setForeground(new java.awt.Color(255, 255, 255));
        badd.setText("+");
        badd.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                baddActionPerformed(evt);
            }
        });

        bclear.setBackground(new java.awt.Color(0, 0, 0));
        bclear.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
        bclear.setForeground(new java.awt.Color(255, 0, 0));
        bclear.setText("Clear");
        bclear.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                bclearActionPerformed(evt);
            }
        });

        bback.setBackground(new java.awt.Color(0, 0, 0));
        bback.setFont(new java.awt.Font("Times New Roman", 3, 24)); // NOI18N
        bback.setForeground(new java.awt.Color(255, 255, 255));
        bback.setText("Back");
        bback.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                bbackActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGroup(layout.createSequentialGroup()
                    .createSequentialGroup()
                        .addContainerGap()
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .add(bdot)
                            .add(badd)
                            .add(bclear)
                            .add(bback))
                    )
        );
```



```
.addComponent(t1, javax.swing.GroupLayout.Alignment.TRAILING)
    .addGroup(layout.createSequentialGroup())

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(b7, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(b8, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(b9, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(bdiv, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addComponent(b4, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(b5, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(b6, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(bmul, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(layout.createSequentialGroup()
                .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(b3, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(bmin, javax.swing.GroupLayout.PREFERRED_SIZE,
51, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addGroup(layout.createSequentialGroup()
        .addComponent(b0,
javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(bdot,
javax.swing.GroupLayout.PREFERRED_SIZE, 51,
```

```
        javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(bclear,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
            .addGap(18, 18, 18)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
            .addGroup(layout.createSequentialGroup()
                .addComponent(bequal,
javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(badd,
javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(bback,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))))
            .addGap(0, 12, Short.MAX_VALUE)))
        .addContainerGap()
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(bdiv, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(b9, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(b8, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(b7, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(bmul, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(b6, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(b5, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```

        .addComponent(b4, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(bmin, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(b3, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(badd, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(bequal, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(bdot, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(b0, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(bback, javax.swing.GroupLayout.PREFERRED_SIZE, 46,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(bclear, javax.swing.GroupLayout.PREFERRED_SIZE, 46,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(0, 28, Short.MAX_VALUE))
    );

    pack();
} // </editor-fold>

private void t1ActionPerformed(java.awt.event.ActionEvent evt) {
}

private void b7ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"7");
}

private void b4ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"4");
}

private void b1ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"1");
}

```

```
private void b0ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"0");
}

private void b8ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"8");
}

private void b9ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"9");
}

private void b5ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"5");
}

private void b6ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"6");
}

private void b2ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"2");
}

private void b3ActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+"3");
}

private void bdotActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText(t1.getText()+".");
}

private void bdivActionPerformed(java.awt.event.ActionEvent evt) {
    num1 = Double.parseDouble(t1.getText());
    t1.setText("");
    operator = "/";
}

private void bmulActionPerformed(java.awt.event.ActionEvent evt) {
    num1 = Double.parseDouble(t1.getText());
    t1.setText("");
    operator = "*";
}

private void bminActionPerformed(java.awt.event.ActionEvent evt) {
    num1 = Double.parseDouble(t1.getText());
    t1.setText("");
    operator = "-";
}
```

```
private void baddActionPerformed(java.awt.event.ActionEvent evt) {
    num1 = Double.parseDouble(t1.getText());
    t1.setText("");
    operator = "+";
}

private void bequalActionPerformed(java.awt.event.ActionEvent evt) {
    num2 = Double.parseDouble(t1.getText());
    double ans = 0;
    if (operator == "+") {
        ans = num1+num2;
    }

    if (operator == "-") {
        ans = num1-num2;
    }

    if (operator == "*") {
        ans = num1*num2;
    }

    if (operator == "/") {
        ans = num1/num2;
    }
    t1.setText(""+ans);
    operator=null;
}

private void bclearActionPerformed(java.awt.event.ActionEvent evt) {
    t1.setText("");
}

private void bbackActionPerformed(java.awt.event.ActionEvent evt) {
    String str = t1.getText();
    t1.setText(str.substring(0,str.length()-1));
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {

    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    }
}
```

```
    }  
    }  
    } catch (ClassNotFoundException ex) {  
  
java.util.logging.Logger.getLogger(mycalc.class.getName()).log(java.util.logging.Level.S  
EVERE, null, ex);  
    } catch (InstantiationException ex) {  
  
java.util.logging.Logger.getLogger(mycalc.class.getName()).log(java.util.logging.Level.S  
EVERE, null, ex);  
    } catch (IllegalAccessException ex) {  
  
java.util.logging.Logger.getLogger(mycalc.class.getName()).log(java.util.logging.Level.S  
EVERE, null, ex);  
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {  
  
java.util.logging.Logger.getLogger(mycalc.class.getName()).log(java.util.logging.Level.S  
EVERE, null, ex);  
    }  
  
    java.awt.EventQueue.invokeLater(new Runnable() {  
        public void run() {  
            new mycalc().setVisible(true);  
        }  
    });  
}  
  
// Variables declaration - do not modify  
private javax.swing.JButton b0;  
private javax.swing.JButton b1;  
private javax.swing.JButton b2;  
private javax.swing.JButton b3;  
private javax.swing.JButton b4;  
private javax.swing.JButton b5;  
private javax.swing.JButton b6;  
private javax.swing.JButton b7;  
private javax.swing.JButton b8;  
private javax.swing.JButton b9;  
private javax.swing.JButton badd;  
private javax.swing.JButton bback;  
private javax.swing.JButton bclear;  
private javax.swing.JButton bdiv;  
private javax.swing.JButton bdot;  
private javax.swing.JButton bequal;  
private javax.swing.JButton bmin;  
private javax.swing.JButton bmul;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JTextField t1;  
// End of variables declaration  
}
```