

Tugas pertemuan ke-3

Mata Kuliah Pemrograman Berorientasi Objek



oleh:

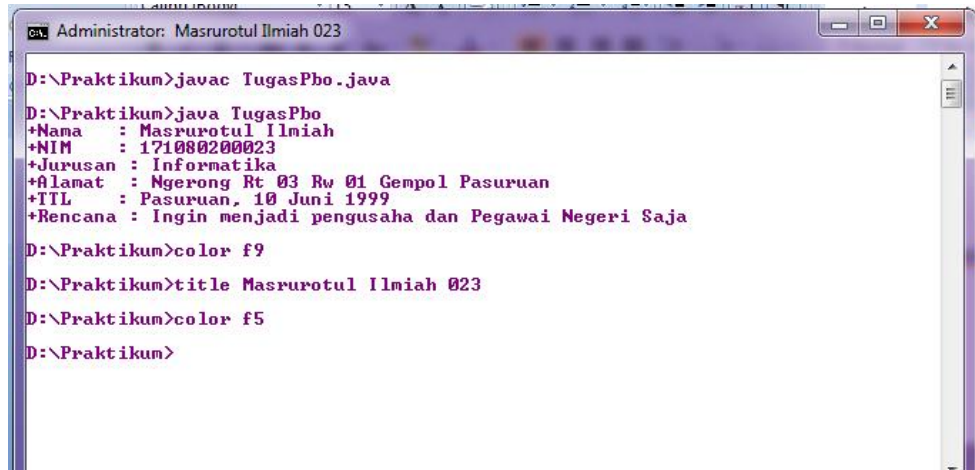
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Jurusan : Informatika 3A1

Tahun Ajaran 2018/2019

1. Buatlah program java dengan ketentuan:
 - Berisi biodata perorangan dalam kelompok : Nama, nim, jurusan, alamat, TTL, rencana karir.

Jawab :



```
D:\Praktikum>javac TugasPbo.java
D:\Praktikum>java TugasPbo
+Nama      : Masrurotul Ilmiah
+NIM       : 171080200023
+Jurusan   : Informatika
+Alamat    : Ngerong Rt 03 Rw 01 Gempol Pasuruan
+TTL       : Pasuruan, 10 Juni 1999
+Rencana   : Ingin menjadi pengusaha dan Pegawai Negeri Saja
D:\Praktikum>color f9
D:\Praktikum>title Masrurotul Ilmiah 023
D:\Praktikum>color f5
D:\Praktikum>
```

Gambar tampilan biodata menggunakan Java script

Source code :

```
public class TugasPbo { */pendeklarasi class untuk TugasPbo/*

    public static void main (String argv[]) { */ menunjukkan bahwa
class dengan nama operasi bersifat public. public static void main (String [ ]
args) { adalah fungsi utama (Main) yang pertama kali akan dibaca oleh
compiler. Dalam fungsi utama ini parameternya adalah String[] args karena
pendeklarasian fungsi java yang seluruhnya berupa String. Sedangkan args
adalah nama objek dari array String./*

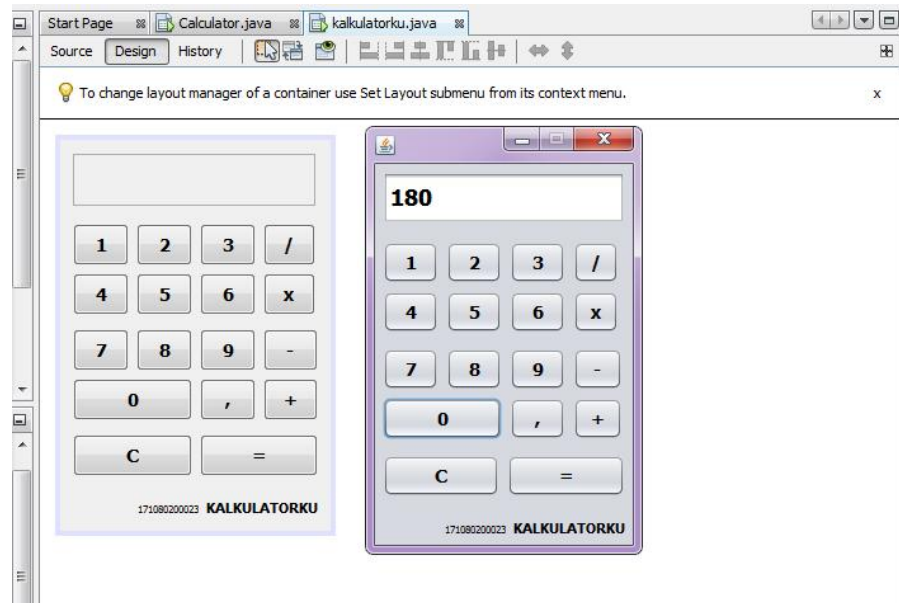
        System.out.println("+Nama      : Masrurotul Ilmiah");
        System.out.println("+NIM : 171080200023");
        System.out.println("+Jurusan : Informatika");
        System.out.println("+Alamat : Ngerong Rt 03 Rw 01
Gempol Pasuruan");
        System.out.println("+TTL : Pasuruan, 10 Juni 1999");
```

```
System.out.println("+Rencana : Ingin menjadi pengusaha  
dan Pegawai Negeri Saja"); /*adalah suatu perintah yang digunakan  
untuk mencetak kata-kata yang didalam tanda petik ( " " )/*
```

```
}  
}
```

2. Buatlah Aplikasi kalkulator yang menggunakan bahasa Java, dengan ketentuan tampilan tidak boleh sama antara satu dengan yang lain.

Jawab :



Gambar project kalkulator menggunakan java Netbeans 8.2

Source Code & Keterangan :

- Warna **Biru tua** : merupakan deklarasi Class dari program bernama Kalkulatorku
- Warna **Merah** : merupakan deklarasi Method dari program tersebut.
- Warna **Biru** : merupakan rincian Button dari aplikasi yang akan dibuat
- Warna **Orange** : keterangan Script yang ada pada tiap Button dan variable lainnya pada aplikasi.

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package kalku;
```

```
/**
 *
 * @author Samsung
 */
public class kalkulatorku extends javax.swing.JFrame {
```

//merupakan deklarasi Class dari program bernama Kalkulatorku//

```
String angka;
double jumlah, bilangan1, bilangan2;
int pilih;
```

```
public kalkulatorku() {
    initComponents();
    angka = "";
} //merupakan deklarasi Method dari program tersebut.//
```

```
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@Override
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {
```

```
layar = new javax.swing.JTextField();
btnangka1 = new javax.swing.JButton();
btnangka2 = new javax.swing.JButton();
btnangka3 = new javax.swing.JButton();
btnangka4 = new javax.swing.JButton();
btnangka5 = new javax.swing.JButton();
btnangka6 = new javax.swing.JButton();
btnangka7 = new javax.swing.JButton();
btnangka8 = new javax.swing.JButton();
btnangka9 = new javax.swing.JButton();
btnangka0 = new javax.swing.JButton();
btnkoma = new javax.swing.JButton();
btnangka12 = new javax.swing.JButton();
btmbagi = new javax.swing.JButton();
btmkali = new javax.swing.JButton();
btmkurang = new javax.swing.JButton();
btntambah = new javax.swing.JButton();
btnsamadengan = new javax.swing.JButton();
//merupakan rincian Button dari aplikasi yang akan
dibuat//
```

```
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE)
;
setBackground(new java.awt.Color(153, 0, 0));
setResizable(false);

layar.setEditable(false);
layar.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N

btnangka1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnangka1.setText("1");
btnangka1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnangka1ActionPerformed(evt);
    }
});
```

```
btnangka2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnangka2.setText("2");
btnangka2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnangka2ActionPerformed(evt);
    }
});
```

```
btnangka3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnangka3.setText("3");
btnangka3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnangka3ActionPerformed(evt);
    }
});
```

```
btnangka4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnangka4.setText("4");
btnangka4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnangka4ActionPerformed(evt);
    }
});
```

```
btnangka5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnangka5.setText("5");
btnangka5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnangka5ActionPerformed(evt);
    }
});
```

```
btnangka6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnangka6.setText("6");
btnangka6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnangka6ActionPerformed(evt);
    }
});
```

```
btnangka7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnangka7.setText("7");
```

```
btnangka7.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        btnangka7ActionPerformed(evt);  
    }  
});
```

```
btnangka8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N  
btnangka8.setText("8");  
btnangka8.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        btnangka8ActionPerformed(evt);  
    }  
});
```

```
btnangka9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N  
btnangka9.setText("9");  
btnangka9.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        btnangka9ActionPerformed(evt);  
    }  
});
```

```
btnangka0.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N  
btnangka0.setText("0");  
btnangka0.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        btnangka0ActionPerformed(evt);  
    }  
});
```

**//keterangan Script yang di-inputkan pada tiap
Button dan variable lainnya pada aplikasi.//**

```
btnkoma.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N  
btnkoma.setText(",");  
btnkoma.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        btnkomaActionPerformed(evt);  
    }  
});
```

```
btnangka12.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnangka12.setText("C");
btnangka12.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnangka12ActionPerformed(evt);
    }
});
```

```
btmbagi.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btmbagi.setText("/");
btmbagi.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btmbagiActionPerformed(evt);
    }
});
```

```
btnkali.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnkali.setText("x");
btnkali.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnkaliActionPerformed(evt);
    }
});
```

```
btnkurang.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnkurang.setText("-");
btnkurang.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnkurangActionPerformed(evt);
    }
});
```

```
btntambah.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btntambah.setText("+");
btntambah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btntambahActionPerformed(evt);
    }
});
```

```
btnsamadengan.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
btnsamadengan.setText("=");
```


**//Keterangan script yang di-inputkan kedalam variable
penjumlahan, pengurangan, kali, bagi, dan hitung//**

```

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(btnAngka0,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(btnAngka7,
javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        )
    )
}

```

```

        .addComponent(btnangka8,
javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)))

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(btnangka9,
javax.swing.GroupLayout.DEFAULT_SIZE, 44, Short.MAX_VALUE)
        .addComponent(btnkoma,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(btntambah,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(btnkurang,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(layout.createSequentialGroup()
            .addComponent(btnangka1,
javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(btnangka2,
javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(btnangka3,
javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)
        )
    )

```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(btnbagi))
    .addGroup(layout.createSequentialGroup()
        .addComponent(btnangka4,
            javax.swing.GroupLayout.PREFERRED_SIZE, 44,
            javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(btnangka5,
        javax.swing.GroupLayout.PREFERRED_SIZE, 44,
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(btnangka6,
        javax.swing.GroupLayout.PREFERRED_SIZE, 44,
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(btnkali,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
    .addComponent(layar, javax.swing.GroupLayout.PREFERRED_SIZE,
        191, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        layout.createSequentialGroup()
            .addComponent(jLabel2)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jLabel1))
    .addGroup(layout.createSequentialGroup()
        .addComponent(btnangka12,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(btnsamadengan,
        javax.swing.GroupLayout.PREFERRED_SIZE, 93,
        javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
        Short.MAX_VALUE))
    );
```

```

        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(layar, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(14, 14, 14)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)
            .addComponent(btnangka1,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnangka2,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnangka3,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnbagi, javax.swing.GroupLayout.PREFERRED_SIZE,
33, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(6, 6, 6)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)
            .addComponent(btnangka4,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnangka5,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnangka6,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnkali, javax.swing.GroupLayout.PREFERRED_SIZE,
33, javax.swing.GroupLayout.PREFERRED_SIZE))

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

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)

```

```

        .addComponent(btnangka7,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btnangka8,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btnangka9,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btnkurang,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)
        .addComponent(btnangka0,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btnkoma,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btntambah,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)
        .addComponent(btnangka12,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btnsamadengan,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)

```

```
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
10, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel1))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

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

```
private void btnangka1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    angka += "1";
    layar.setText(angka);
}
```

```
private void btnangka2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    angka += "2";
    layar.setText(angka);
}
```

```
private void btnangka3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    angka += "3";
    layar.setText(angka);
}
```

```
private void btnangka4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    angka += "4";
    layar.setText(angka);
}
```

```
private void btnangka5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    angka += "5";
    layar.setText(angka);
}
```

```
private void btnangka6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
```

```

        angka += "6";
        layar.setText(angka);
    }

    private void btnangka7ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        angka += "7";
        layar.setText(angka);
    }

    private void btnangka8ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        angka += "8";
        layar.setText(angka);
    }

    private void btnangka9ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        angka += "9";
        layar.setText(angka);
    }

    private void btnangka0ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        angka += "0";
        layar.setText(angka);
    }

    private void btnkomaActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        angka += ",";
        layar.setText(angka);
    }

    private void btnangka12ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        layar.setText("");
        bilangan1=0.0;
        bilangan2=0.0;
        jumlah=0.0;
        angka="";
    }

```

```

private void btntambahActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    bilangan1=Double.parseDouble(angka);
    layar.setText("+");
    angka="";
    pilih=1;
}

private void btnkurangActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    bilangan1=Double.parseDouble(angka);
    layar.setText("-");
    angka="";
    pilih=2;
}

private void btnkaliActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    bilangan1=Double.parseDouble(angka);
    layar.setText("*");
    angka="";
    pilih=3;
}

private void btnbagiActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    bilangan1=Double.parseDouble(angka);
    layar.setText("/");
    angka="";
    pilih=4;
}

private void btnsamadenganActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
    switch (pilih) {
        case 1:
            bilangan2 = Double.parseDouble(angka);
            jumlah = bilangan1 + bilangan2;
            angka = Double.toString(jumlah);
            layar.setText(angka);

```



```

        break;
    case 2:
        bilangan2 = Double.parseDouble(angka);
        jumlah = bilangan1 - bilangan2;
        angka = Double.toString(jumlah);
        layar.setText(angka);
        break;
    case 3:
        bilangan2 = Double.parseDouble(angka);
        jumlah = bilangan1 * bilangan2;
        angka = Double.toString(jumlah);
        layar.setText(angka);
        break;
    case 4:
        bilangan2 = Double.parseDouble(angka);
        jumlah = bilangan1 / bilangan2;
        angka = Double.toString(jumlah);
        layar.setText(angka);
        break;
    default:
        break;
}
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default
look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    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(Main.class).log(Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(Level.SEVERE, null, ex);
    }
}

```

```

    }
}
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(kalkulatorku.class.getName()).log(java.util.lo
gging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(kalkulatorku.class.getName()).log(java.util.lo
gging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(kalkulatorku.class.getName()).log(java.util.lo
gging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(kalkulatorku.class.getName()).log(java.util.lo
gging.Level.SEVERE, null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new kalkulatorku().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton btnangka0;
private javax.swing.JButton btnangka1;
private javax.swing.JButton btnangka12;
private javax.swing.JButton btnangka2;
private javax.swing.JButton btnangka3;
private javax.swing.JButton btnangka4;
private javax.swing.JButton btnangka5;
private javax.swing.JButton btnangka6;
private javax.swing.JButton btnangka7;
private javax.swing.JButton btnangka8;
private javax.swing.JButton btnangka9;
private javax.swing.JButton btnbagi;

```

```
private javax.swing.JButton btnkali;  
private javax.swing.JButton btnkoma;  
private javax.swing.JButton btnkurang;  
private javax.swing.JButton btnsamadengan;  
private javax.swing.JButton btntambah;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JTextField layar;  
// End of variables declaration  
}
```