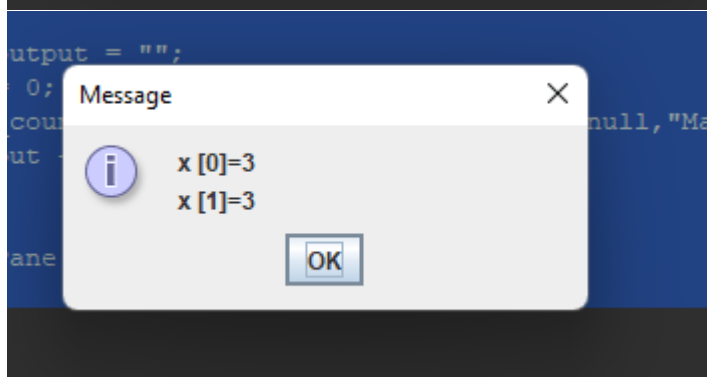
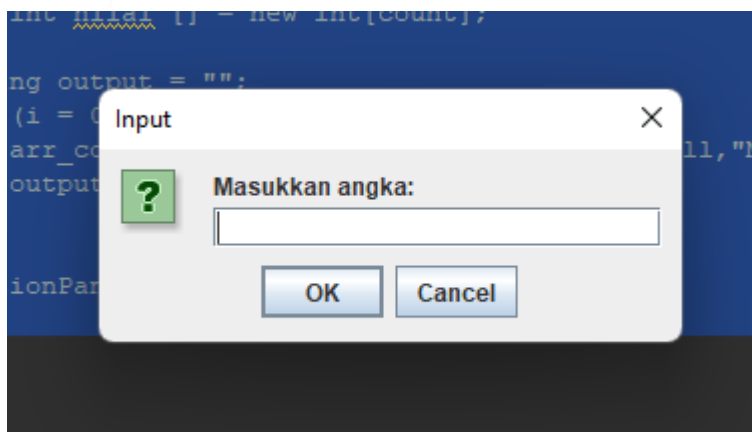
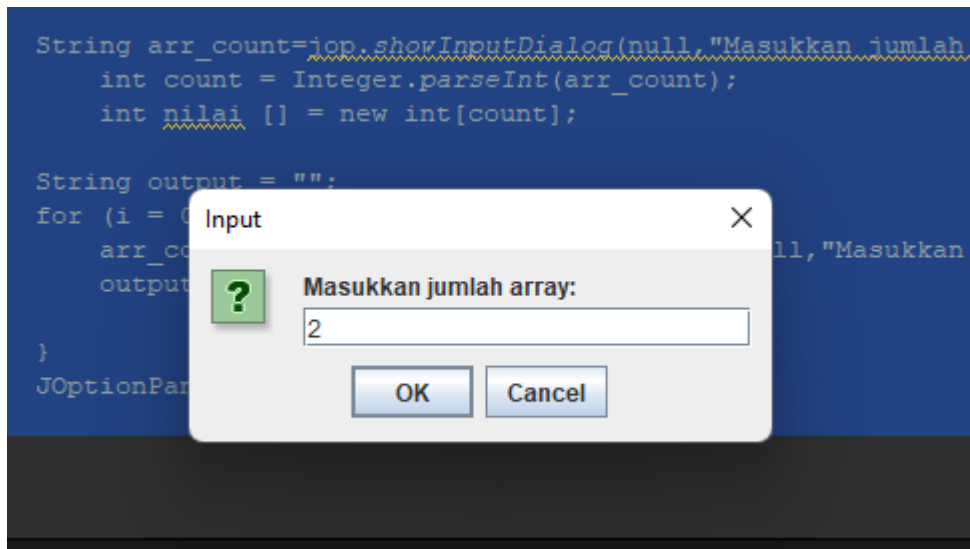


Nama : Raynaldi Rizky Aditya
Kelas : TI21PA2
NPM : 212310022
Tugas : Lab PBO Array 4

```
public class Latihan02 {  
  
    public static void main(String[] args) {  
        int[] array = {50,75,60,43,70,80,65,77,78,35};  
        //OUTPUT  
        for (int i = 0; i < 10; i++) {  
            System.out.println("X["+i+"]="+array[i]);  
        }  
    }  
}
```

```
X[3]=43  
X[4]=70  
X[5]=80  
X[6]=65  
X[7]=77  
X[8]=78  
X[9]=35
```

```
}import javax.swing.JOptionPane;  
public class Latihan03 {  
  
    public static void main(String[] args) {  
        JOptionPane jop = new JOptionPane();  
  
        int i;  
  
        String arr_count=jop.showInputDialog(null,"Masukkan jumlah  
array:");  
        int count = Integer.parseInt(arr_count);  
        int nilai [] = new int[count];  
  
        String output = "";  
        for (i = 0; i<count ; i++) {  
            arr_count = JOptionPane.showInputDialog(null,"Masukkan  
angka:");  
            output += "x ["+i+"]="+arr_count+"\n";  
        }  
        JOptionPane.showMessageDialog(null,output);  
    }  
}
```



```
import javax.swing.JOptionPane;
public class Latihan04 {

    public static void main(String[] args) {
        JOptionPane jop = new JOptionPane();

        int i,max_num=0,min_num=0;

        String arr_count=jop.showInputDialog(null,"Masukkan jumlah
        array:");

        int count = Integer.parseInt(arr_count);
        int []nilai = new int[count];

        String output = "";
```

```

        for (i = 0; i<count ; i++) {

            nilai[i]=Integer.parseInt(JOptionPane.showInputDialog(null,"Masukkan
angka:"));

            output += "x ["+i+"]="+arr_count+"\n";

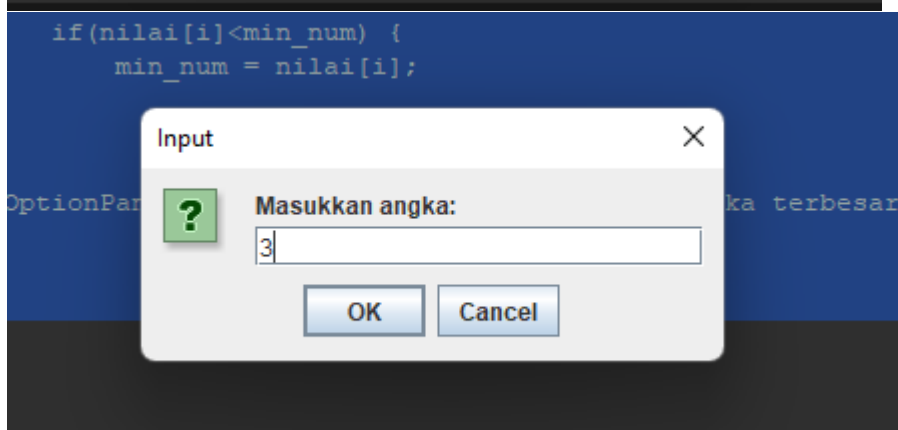
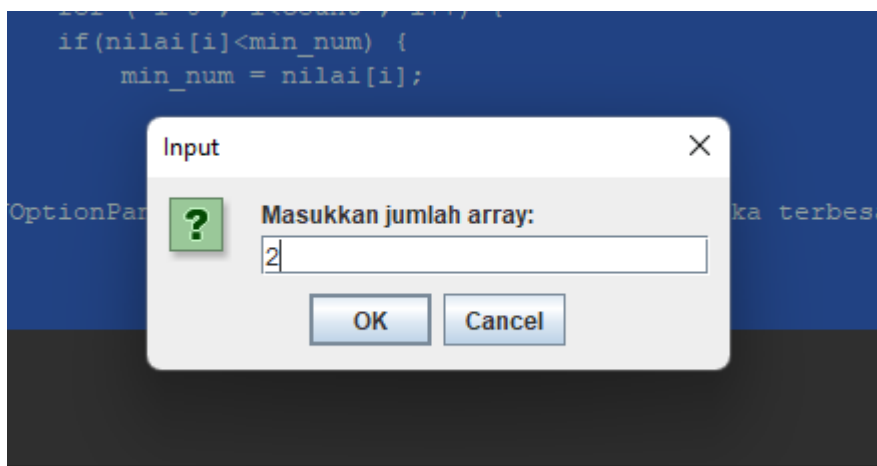
        }

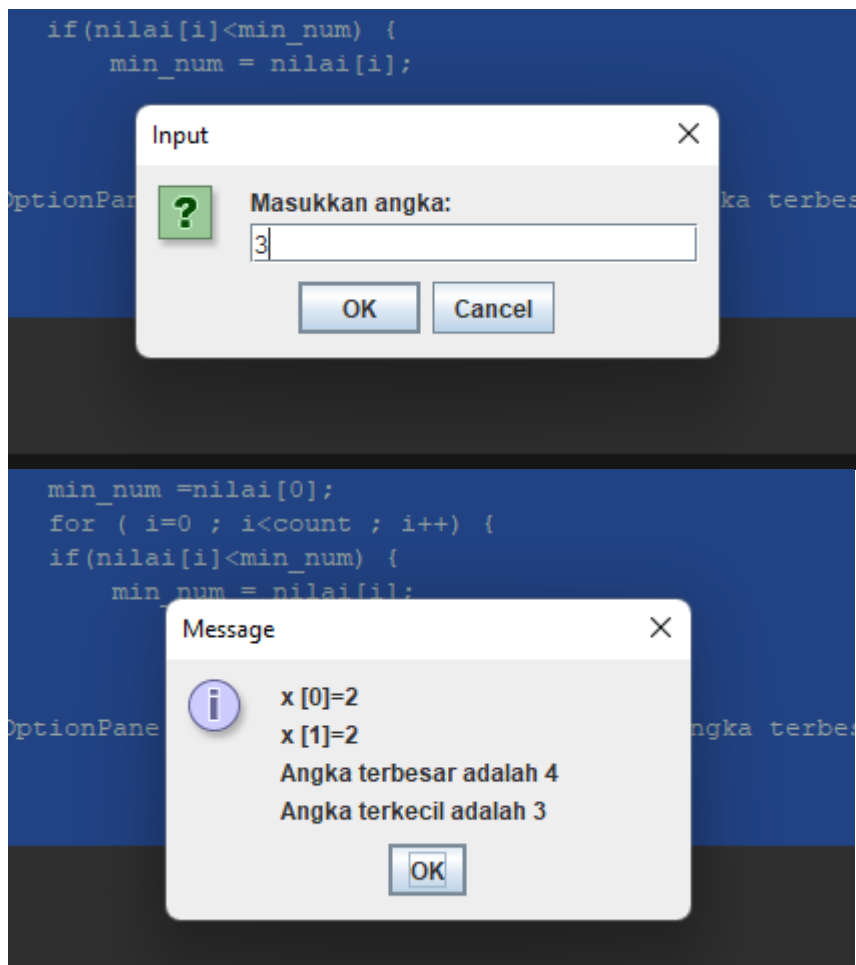
        max_num =nilai[0];
        for ( i=0 ; i<count ; i++) {
            if(nilai[i]>max_num) {
                max_num = nilai[i];
            }
        }

        min_num =nilai[0];
        for ( i=0 ; i<count ; i++) {
            if(nilai[i]<min_num) {
                min_num = nilai[i];
            }
        }

        JOptionPane.showMessageDialog(null,output+"Angka terbesar
adalah "+max_num+"\nAngka terkecil adalah "+min_num);

```





```

import javax.swing.JOptionPane;
public final class latihan05 {

    public static void main(String[] args) {
        JOptionPane jop = new JOptionPane();
        String field [] ={"Nama lengkap","Alamat","No Telp"};
        String nama =jop.showInputDialog(null,field[0]);
        String alamat =jop.showInputDialog(null,field[1]);
        String telp =jop.showInputDialog(null,field[2]);

        String output ="";
        output += "Nama lengkap :"+nama+"\nAlamat :"+alamat+"\nNo telp
: "+telp;
        JOptionPane.showMessageDialog(null,output);
    }

}

```

```
ring telp = jop.showInputDialog(null, field[2]);  
  
ring output = "";  
tput += "Nama lengkap : " + nama + "\n";  
alamat += "alamat + "\n";  
telp += "telp : " + telp + "\n";  
JOptionPane.showMessageDialog(null, output);
```

Input

?

Nama lengkap

ararwarar

OK Cancel

```
String output = "";  
output += "Nama lengkap : " + nama + "\n";  
alamat += "alamat + "\n";  
JOptionPane.showMessageDialog(null, output);
```

Input

?

Alamat

waweweawe

OK Cancel

```
ring output = "";  
tput += "Nama lengkap : " + nama + "\n";  
alamat += "alamat + "\n";  
telp += "telp : " + telp + "\n";  
JOptionPane.showMessageDialog(null, output);
```

Input

?

No Telp

4123123123

OK Cancel

```
g telp = jop.showInputDialog(null, field[2]);  
  
g output = "";  
t += "Nama lengkap : " + nama + "\n";  
alamat += "alamat + "\n";  
telp += "telp : " + telp + "\n";  
JOptionPane.showMessageDialog(null, output);
```

Message

i

Nama lengkap : arararara
Alamat : weaweawae
No telp : 312313131

OK

```
import javax.swing.JOptionPane;  
public class Latihan06 {
```

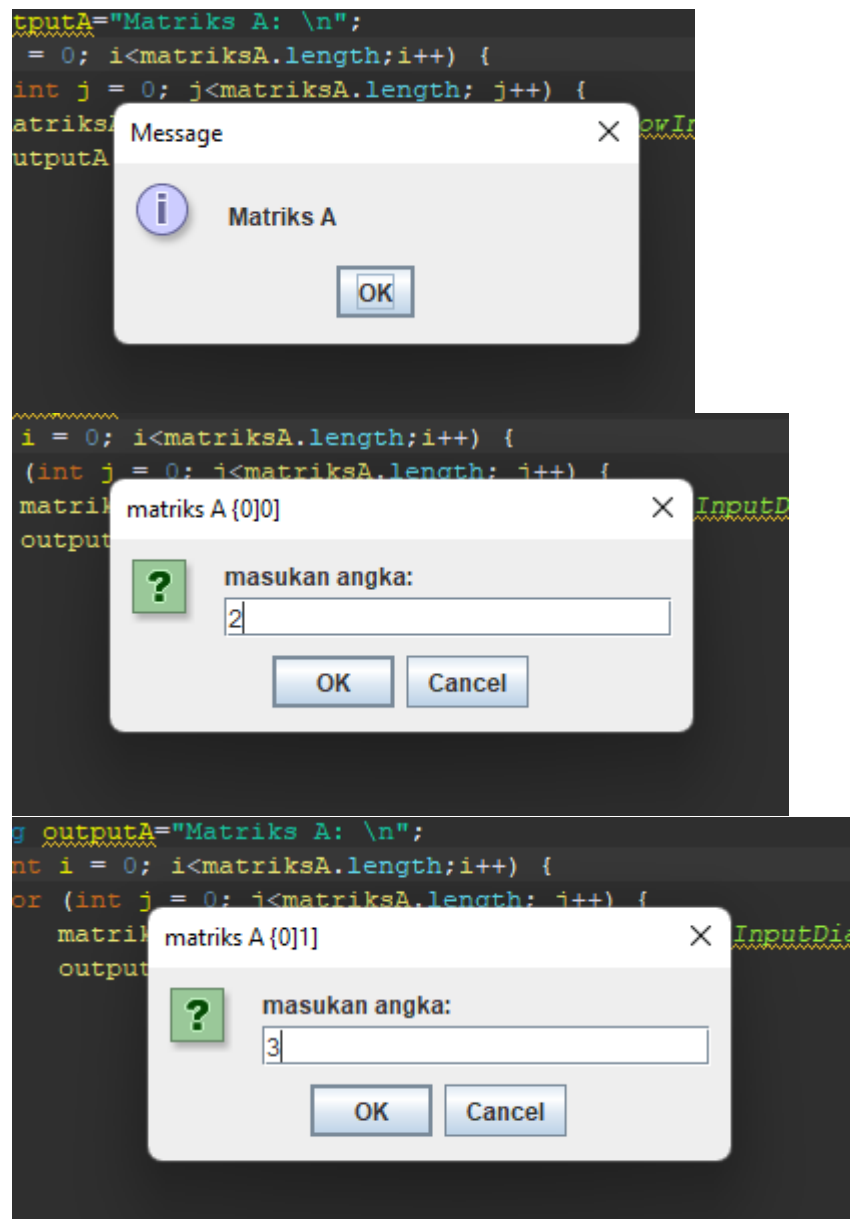
```

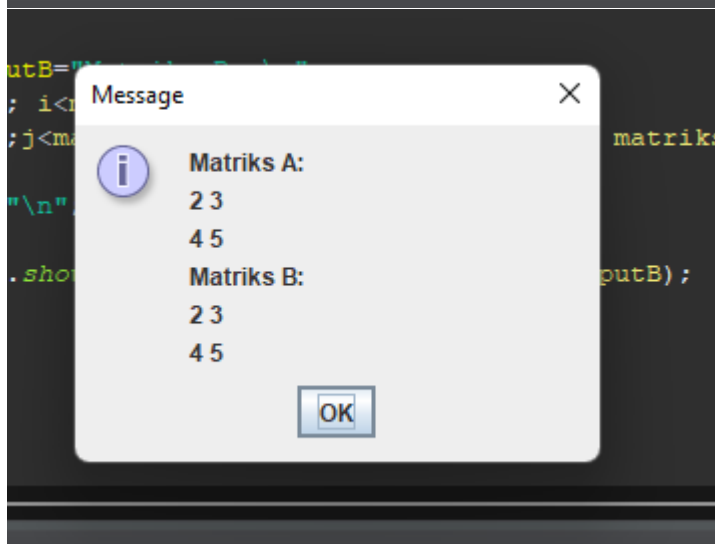
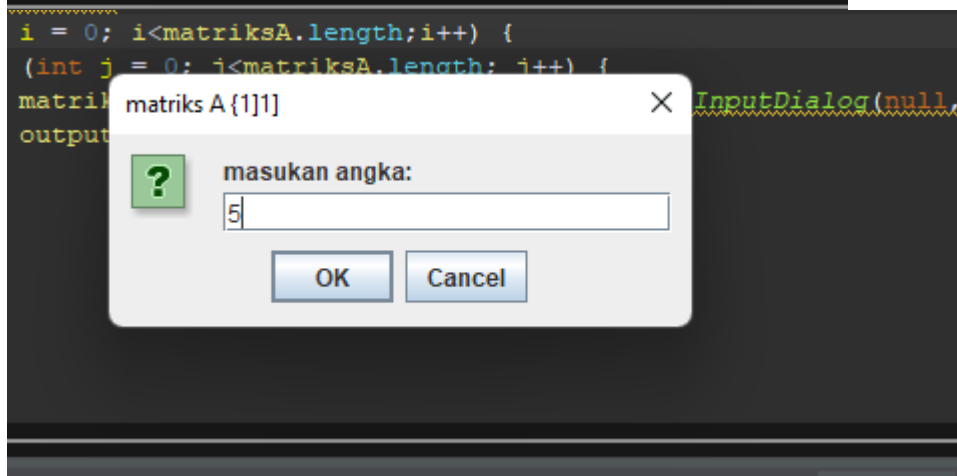
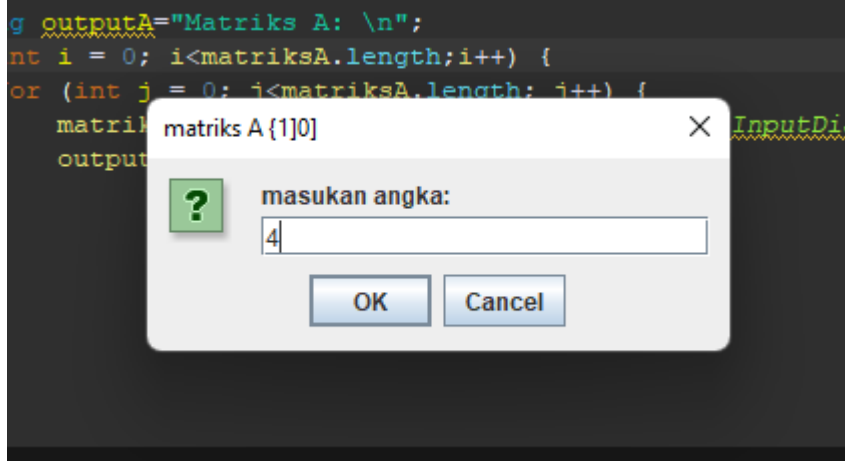
public static void main(String[] args) {
    JOptionPane jop = new JOptionPane();

    int matriksA[][]= new int [2][2];
    int matriksB[][]= new int [2][2];

    JOptionPane.showMessageDialog(null, "Matriks A");
    String outputA="Matriks A: \n";
    for(int i = 0; i<matriksA.length;i++) {
        for (int j = 0; j<matriksA.length; j++) {
            matriksA[i][j] =
Integer.parseInt(jop.showInputDialog(null,"masukan angka: ","matriks A
{"+"+i+" "+"j+"}","jop.QUESTION_MESSAGE));
            outputA += matriksA[i][j] + " ";

```





```

import javax.swing.JOptionPane;

public class Latihan07 {

    public static void main(String[] args) {
        int baris =2;
        int kolom =2;

        int matriksA[][]= new int[baris][kolom]; int matriksB[][]= new
int[baris][kolom]; int hasil1[][] = new int[baris][kolom];

        JOptionPane.showMessageDialog(null, "==== Matriks A ====");
    }
}

```

```

        for(int i =0; i<matriksA.length; i++) {
            for(int j=0; j<matriksA.length; j++) { matriksA[i][j] =
                Integer.parseInt(JOptionPane.showInputDialog(null,"Masukkan
angka: ", "Matriks A ke-["+i+"]"+"["+j+"]",JOptionPane.QUESTION_MESSAGE));
            }
        }

        JOptionPane.showMessageDialog(null, "==== Matriks B ====");
        for(int i =0; i<matriksB.length; i++) {
            for(int j=0; j<matriksB.length; j++) { matriksB[i][j] =
                Integer.parseInt(JOptionPane.showInputDialog(null,"Masukkan
angka: ", "Matriks B ke-["+i+"]"+"["+j+"]",JOptionPane.QUESTION_MESSAGE));
            }
        }

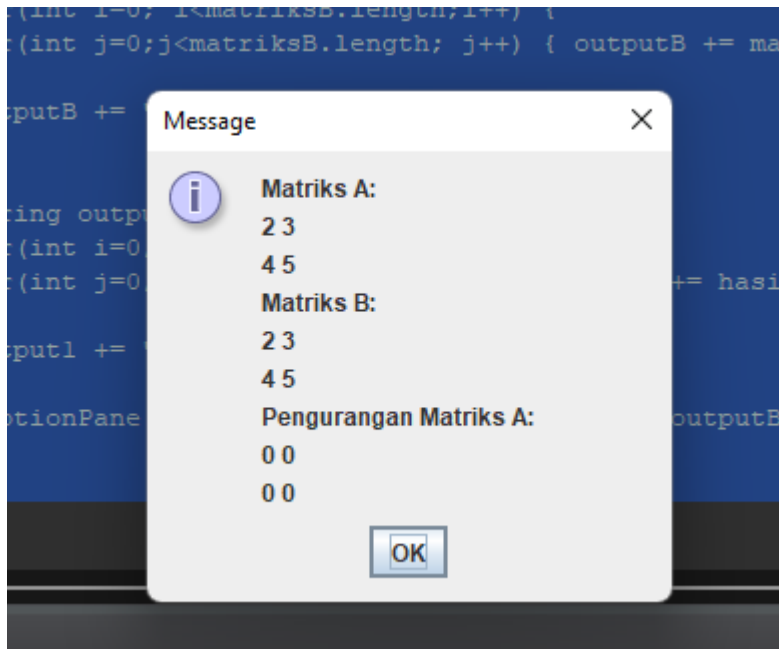
        JOptionPane.showMessageDialog(null, "==== Hasil ====");
        for(int i =0; i<hasil1.length; i++) {
            for(int j=0; j<hasil1.length; j++) {
                hasil1[i][j] = matriksA[i][j] - matriksB[i][j];
            }
        }

        //OUTPUT
        String outputA="Matriks A: \n";
        for(int i=0; i<matriksA.length;i++) {
            for(int j=0;j<matriksA.length; j++) { outputA += matriksA[i][j]
+ " ";
            }
            outputA += "\n";
        }

        String outputB="Matriks B: \n";
        for(int i=0; i<matriksB.length;i++) {
            for(int j=0;j<matriksB.length; j++) { outputB += matriksB[i][j]
+ " ";
            }
            outputB += "\n";
        }

        String output1="Pengurangan Matriks A: \n";
        for(int i=0; i<hasil1.length;i++) {
            for(int j=0;j<hasil1.length; j++) { output1 += hasil1[i][j] + "
";
            }
            output1 += "\n";
        }
        JOptionPane.showMessageDialog(null, outputA+outputB+output1);

```

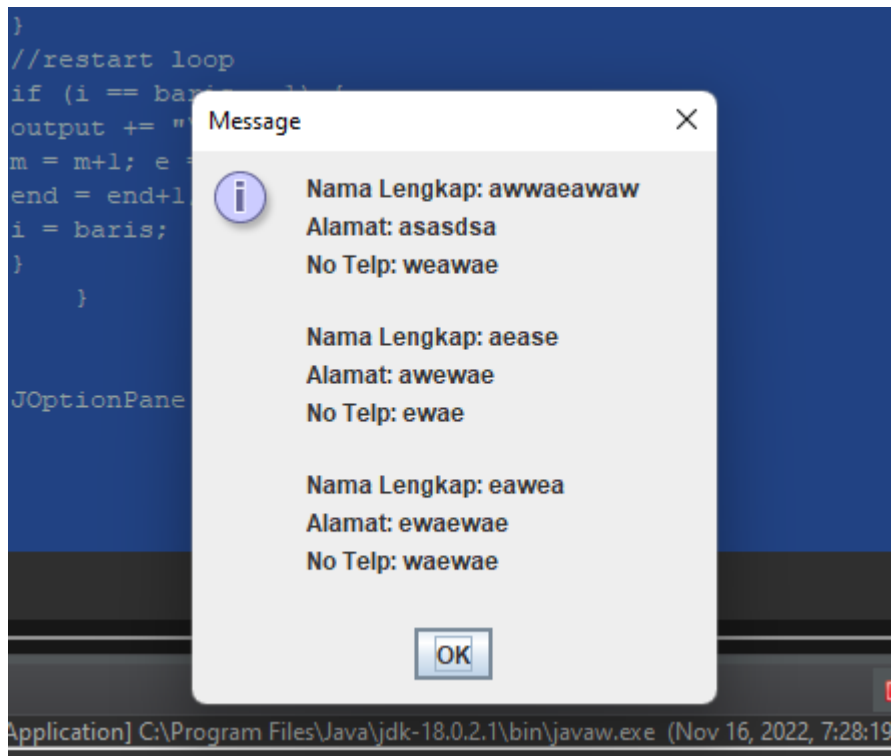
```
import javax.swing.JOptionPane;
public class Latihan08 {

    public static void main(String[] args) {
        int baris = 3, kolom = 4;
        int end = 0, m = 1, e = 2; String output = "";
        String input[][] = new String[baris][kolom]; input[0][0] =
        "Nama Lengkap: "; input[1][0] = "Alamat: ";
        input[2][0] = "No Telp: ";

        //INPUT & OUTPUT
        for(int i = 0; i < baris; i++) {
            output += input[i][0]; for(int j = m; j < e; j++) {
                input[i][j] = JOptionPane.showInputDialog(null, input[i][0],
                "Data Array ke-[" + i + "]" + "[" + j + "]", JOptionPane.QUESTION_MESSAGE);

                output += input[i][j] + "\n";
            }
            //restart loop
            if (i == baris - 1) {
                output += "\n"; i = -1;
                m = m+1; e = e+1;
                end = end+1; if (end == 3) {
                    i = baris;
                }
            }
        }

        JOptionPane.showMessageDialog(null, output);
    }
}
```



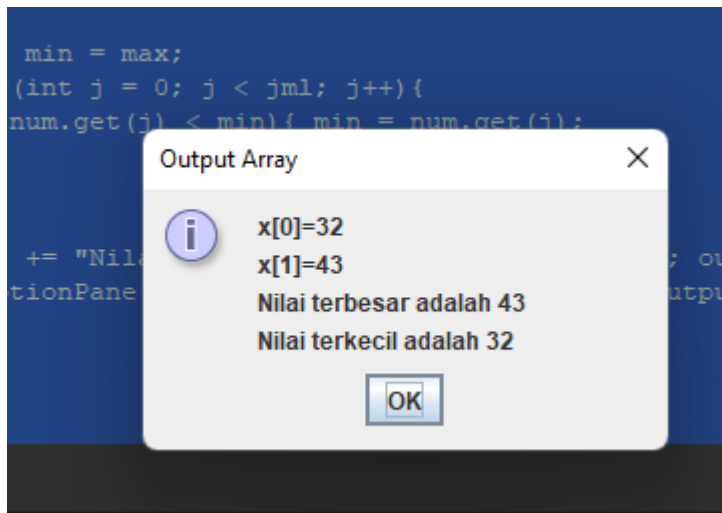
```
import java.util.ArrayList;
import javax.swing.JOptionPane;
public class Latihan09 {

    public static void main(String[] args) {
        String out = "";
        int jml = Integer.parseInt(JOptionPane.showInputDialog(null,
        "Masukkan jumlah array: ", "Input", JOptionPane.QUESTION_MESSAGE));
        ArrayList<Integer> num = new ArrayList<Integer>();
        int max = 0;

        for (int i = 0; i < jml; i++) {
            int isi = Integer.parseInt(JOptionPane.showInputDialog(null,
            "Masukan angka : ", "Data array ke-" + i, JOptionPane.QUESTION_MESSAGE));
            num.add(i, isi);
            out += "x[" + i + "]= " + isi + "\n";
            if (max < isi) {
                max = isi;
            }
        }

        int min = max;
        for(int j = 0; j < jml; j++){
            if(num.get(j) < min){ min = num.get(j);
            }
        }

        out += "Nilai terbesar adalah " + max + "\n"; out += "Nilai
        terkecil adalah " + min;
        JOptionPane.showMessageDialog(null, out , "Output Array",
        JOptionPane.INFORMATION_MESSAGE);
    }
}
```



```
import java.util.ArrayList;
import javax.swing.JOptionPane;
```

```
public class Latihan10 {

    public static void main(String[] args) {
        String out = "";
        ArrayList<String> field = new ArrayList<String>();
        field.add("Nama Lengkap: ");
        field.add("Alamat: ");
        field.add("No Telp: ");
        ArrayList<String> isi = new ArrayList<String>();

        for (int i = 0; i < 3; i++) {
            String in = JOptionPane.showInputDialog(null, field.get(i),
            "Data array ke-" + i, JOptionPane.QUESTION_MESSAGE);
            isi.add(in + "\n");
            out += field.get(i) + isi.get(i);
        }

        JOptionPane.showMessageDialog(null, out , "Output Array",
        JOptionPane.INFORMATION_MESSAGE);
    }
}
```

