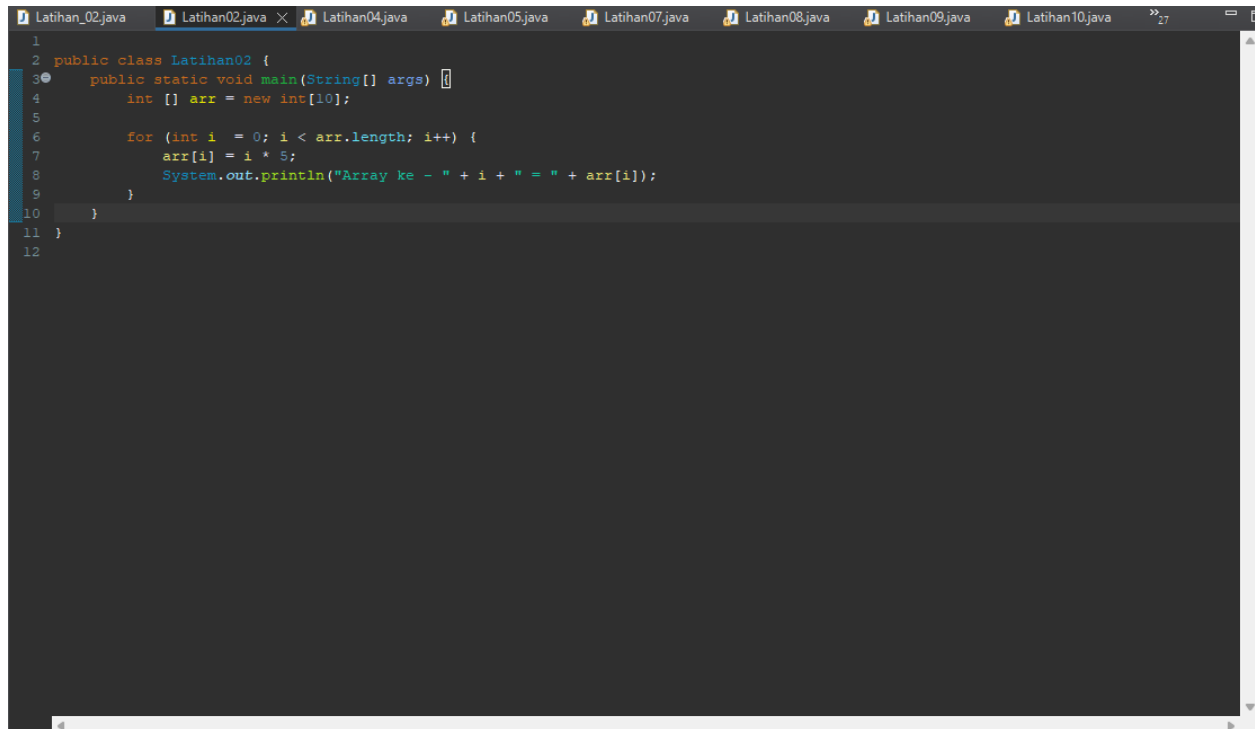


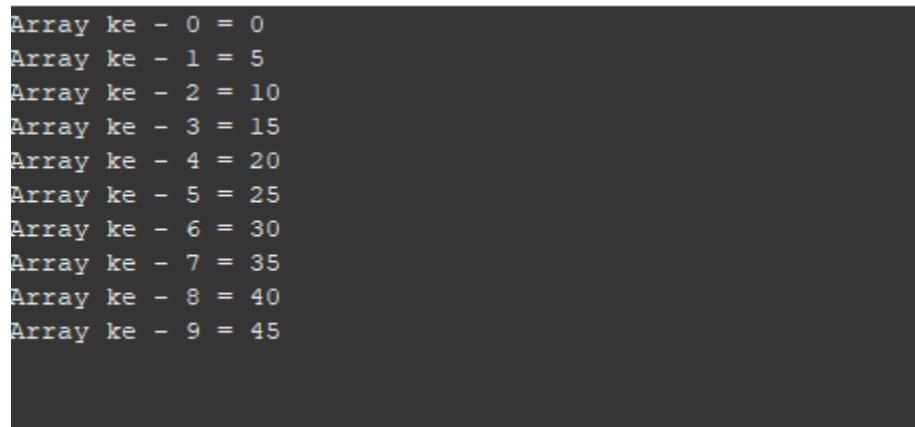
1. Latihan02

a. Source Code



```
1
2 public class Latihan02 {
3     public static void main(String[] args) {
4         int [] arr = new int[10];
5
6         for (int i = 0; i < arr.length; i++) {
7             arr[i] = i * 5;
8             System.out.println("Array ke - " + i + " = " + arr[i]);
9         }
10    }
11 }
12
```

b. Output



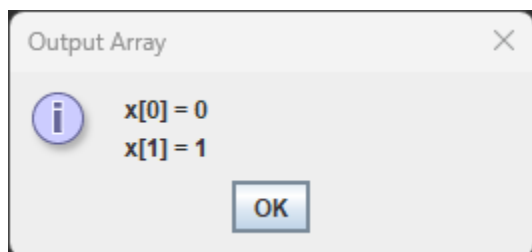
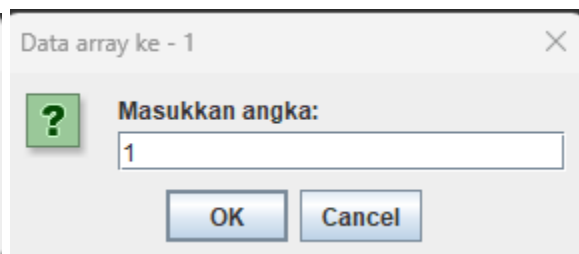
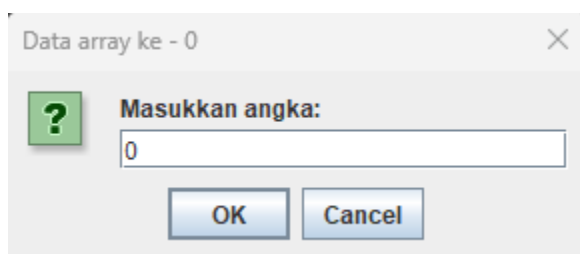
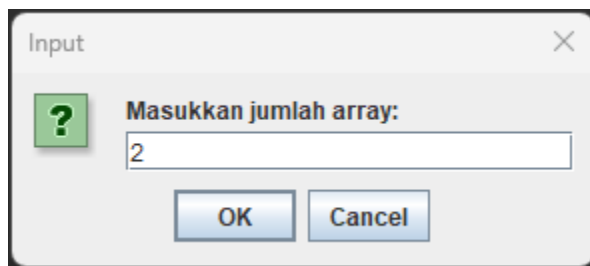
```
Array ke - 0 = 0
Array ke - 1 = 5
Array ke - 2 = 10
Array ke - 3 = 15
Array ke - 4 = 20
Array ke - 5 = 25
Array ke - 6 = 30
Array ke - 7 = 35
Array ke - 8 = 40
Array ke - 9 = 45
```

2. Latihan03

a. Source Code

```
1 import javax.swing.JOptionPane;
2
3 public class Latihan03 {
4     public static void main(String[] args) {
5         JOptionPane jop = new JOptionPane();
6
7         int jumlah_arr = Integer.parseInt(jop.showInputDialog(null, "Masukkan jumlah array:", "Input", jop.QUESTION_MESSAGE));
8         int arr[] = new int[jumlah_arr];
9         String output = "";
10
11         for(int i = 0; i < arr.length; i++) {
12             int value_arr = Integer.parseInt(jop.showInputDialog(null, "Masukkan angka:", "Data array ke - " + i, jop.QUESTION_MESSAGE));
13             arr[i] = value_arr;
14             output += "x" + "[" + i + "]" + " = " + arr[i] + "\n";
15         }
16
17         jop.showMessageDialog(null, output, "Output Array", jop.INFORMATION_MESSAGE);
18     }
19 }
20
```

b. Output

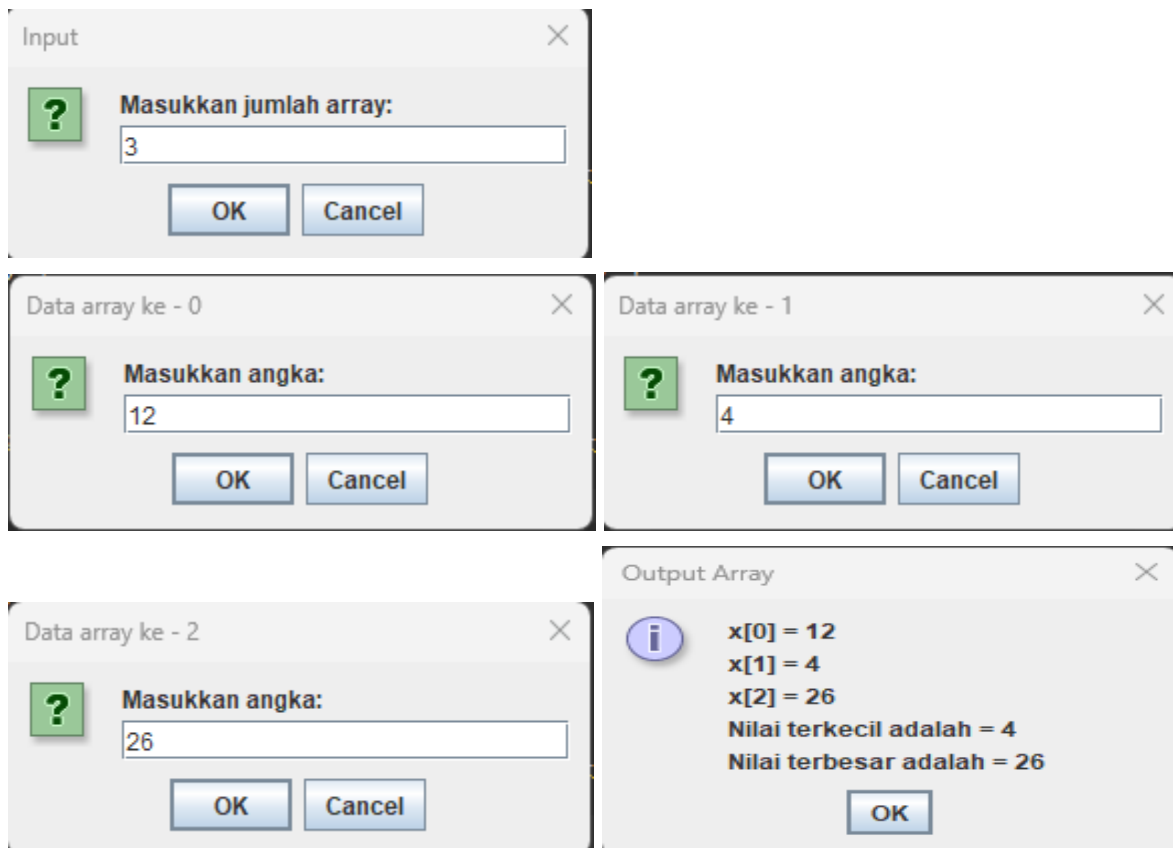


3. Latihan04

a. Source Code

```
1 import javax.swing.JOptionPane;
2
3 public class Latihan04 {
4     public static void main(String[] args) {
5         JOptionPane jop = new JOptionPane();
6
7         int jumlah_arr = Integer.parseInt(jop.showInputDialog(null, "Masukkan jumlah array:", "Input", jop.QUESTION_MESSAGE));
8         int arr[] = new int[jumlah_arr];
9         String output = "";
10        int min = 0, max = 0;
11
12        for(int i = 0; i < arr.length; i++) {
13            int value_arr = Integer.parseInt(jop.showInputDialog(null, "Masukkan angka:", "Data array ke - " + i, jop.QUESTION_MESSAGE));
14            arr[i] = value_arr;
15            output += "x" + "[" + i + "]" + " = " + arr[i] + "\n";
16        }
17
18        for(int i = 0; i < arr.length; ++i) {
19            if(arr[0] > arr[i]) {
20                min = arr[i];
21            } else if(arr[0] < arr[i]) {
22                max = arr[i];
23            }
24        }
25
26        jop.showMessageDialog(null, output + "Nilai terkecil adalah = " + min + "\nNilai terbesar adalah = " + max, "Output Array", jop.INFORMATION_MESSAGE);
27    }
28 }
29
```

b. Output

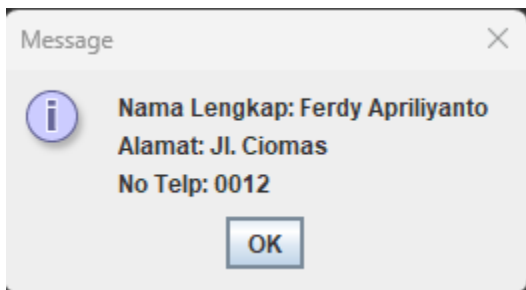
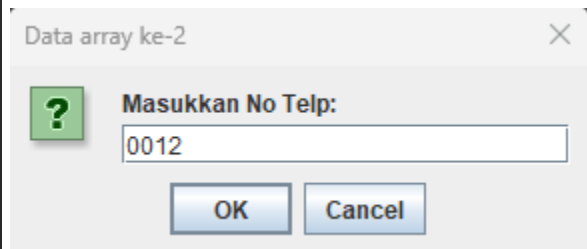
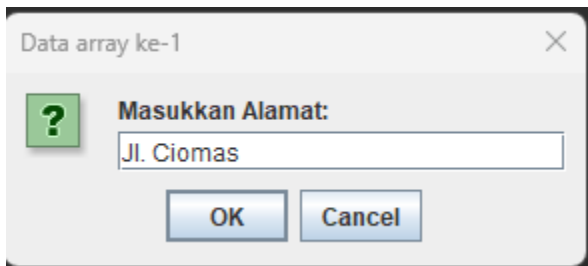
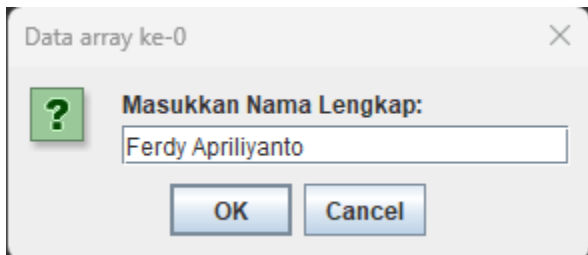


4. Latihan05

a. Source Code

```
1 import javax.swing.JOptionPane;
2
3 public class Latihan05 {
4     public static void main(String[] args) {
5         String field[] = {"Nama Lengkap", "Alamat", "No Telp"};
6         JOptionPane jop = new JOptionPane();
7         String output = "";
8
9         for(int i = 0; i < field.length; i++) {
10             String isi = jop.showInputDialog(null, "Masukkan " + field[i] + ":", "Data array ke-" + i, jop.QUESTION_MESSAGE);
11             output += field[i] + ":" + " " + isi + "\n";
12         }
13
14         jop.showMessageDialog(null, output);
15     }
16 }
17
```

b. Output

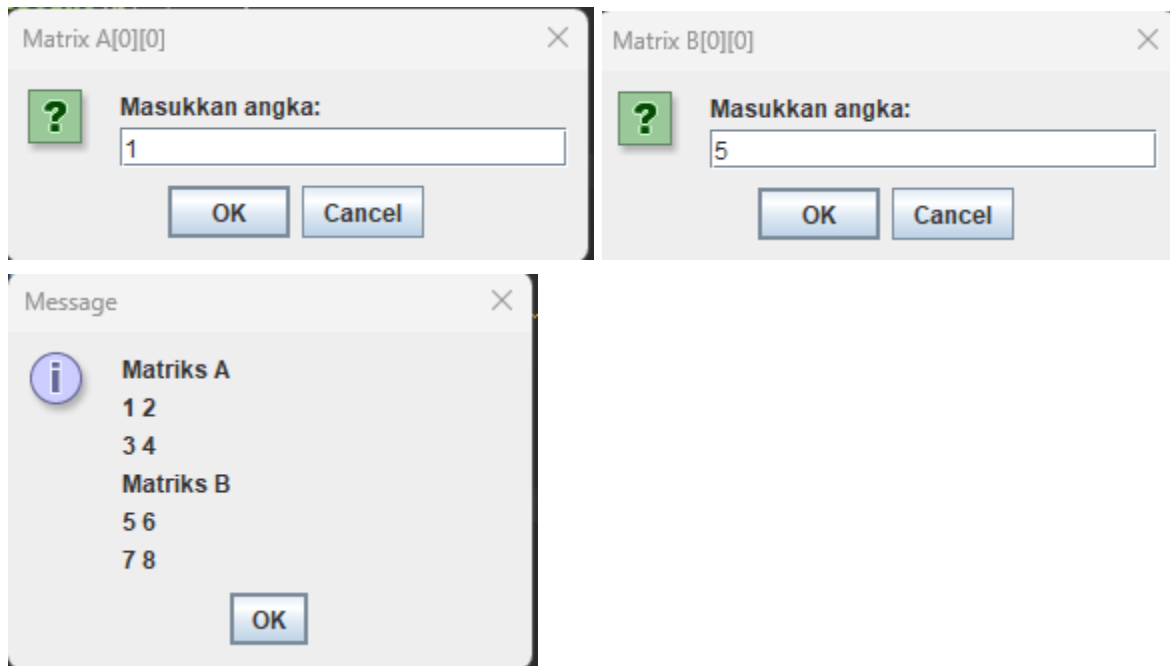


5. Latihan06

a. Source Code

```
1 import javax.swing.JOptionPane;
2
3 public class Latihan06 {
4     public static void main(String[] args) {
5         int arr[][] = new int[2][2];
6         JOptionPane jop = new JOptionPane();
7         String output = "Matriks A" + "\n";
8
9         for(int i = 0; i < arr.length; i++) {
10             for(int j = 0; j < arr.length; j++) {
11                 String a = jop.showInputDialog(null, "Masukkan angka:", "Matrix A" + "[" + i + "]" + "[" + j + "]", jop.QUESTION_MESSAGE);
12                 output += Integer.parseInt(a) + " ";
13             }
14             output += "\n";
15         }
16
17         output += "Matriks B" + "\n";
18         for(int i = 0; i < arr.length; i++) {
19             for(int j = 0; j < arr.length; j++) {
20                 String b = jop.showInputDialog(null, "Masukkan angka:", "Matrix B" + "[" + i + "]" + "[" + j + "]", jop.QUESTION_MESSAGE);
21                 output += Integer.parseInt(b) + " ";
22             }
23             output += "\n";
24         }
25
26         jop.showMessageDialog(null, output);
27     }
28 }
29
```

b. Output

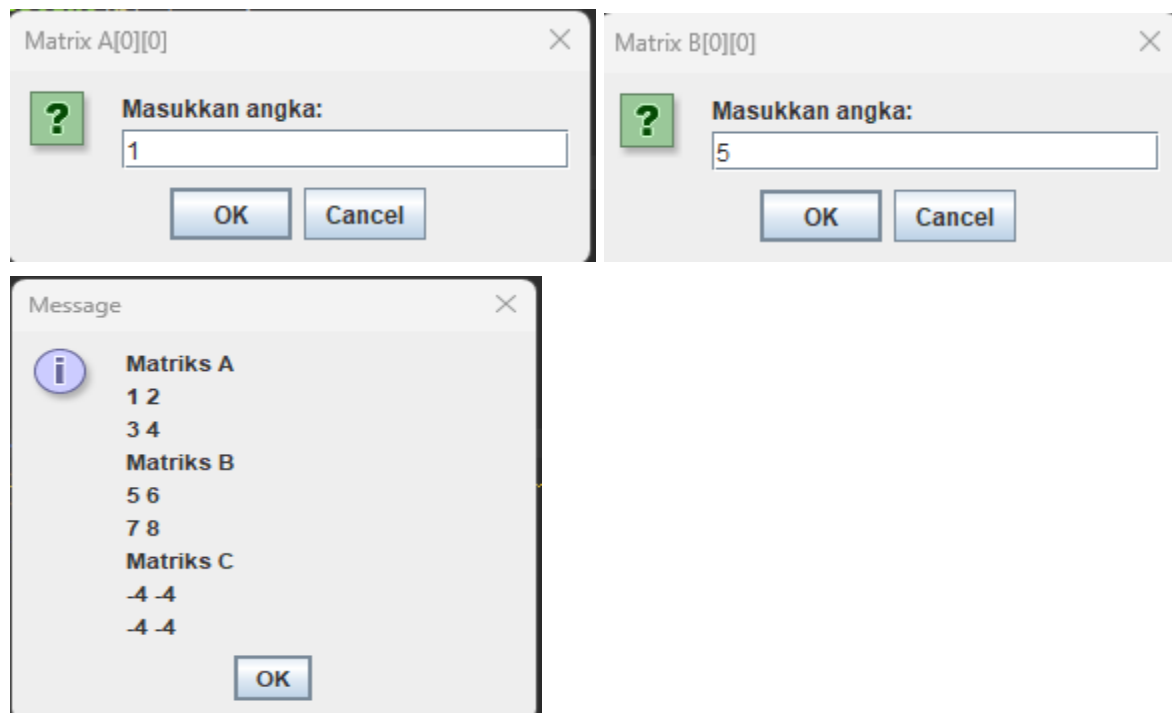


6.. Latihan07 (NPM Genap, Matriks A - Matriks B)

a. Source Code

```
1 import javax.swing.JOptionPane;
2
3 public class Latihan07 {
4     public static void main(String[] args) {
5         int arr[][] = new int[2][2];
6         int arr1[][] = new int[2][2];
7         int arr2[][] = new int[2][2];
8         JOptionPane jop = new JOptionPane();
9         String output = "Matriks A" + "\n";
10
11         for(int i = 0; i < arr.length; i++) {
12             for(int j = 0; j < arr.length; j++) {
13                 String a = jop.showInputDialog(null, "Masukkan angka:", "Matrix A" + "[" + i + "]" + "[" + j + "]", jop.QUESTION_MESSAGE);
14                 arr[i][j] = Integer.parseInt(a);
15                 output += arr[i][j] + " ";
16                 arr2[i][j] = arr[i][j];
17             }
18             output += "\n";
19         }
20
21         output += "Matriks B" + "\n";
22         for(int i = 0; i < arr.length; i++) {
23             for(int j = 0; j < arr.length; j++) {
24                 String b = jop.showInputDialog(null, "Masukkan angka:", "Matrix B" + "[" + i + "]" + "[" + j + "]", jop.QUESTION_MESSAGE);
25                 arr1[i][j] = Integer.parseInt(b);
26                 arr2[i][j] -= arr1[i][j];
27                 output += arr1[i][j] + " ";
28             }
29             output += "\n";
30         }
31
32         output += "Matriks C" + "\n";
33         for(int i = 0; i < arr.length; i++) {
34             for(int j = 0; j < arr.length; j++) {
35                 output += arr2[i][j] + " ";
36             }
37             output += "\n";
38         }
39
40         jop.showMessageDialog(null, output);
41     }
42 }
43 }
```

b. Output

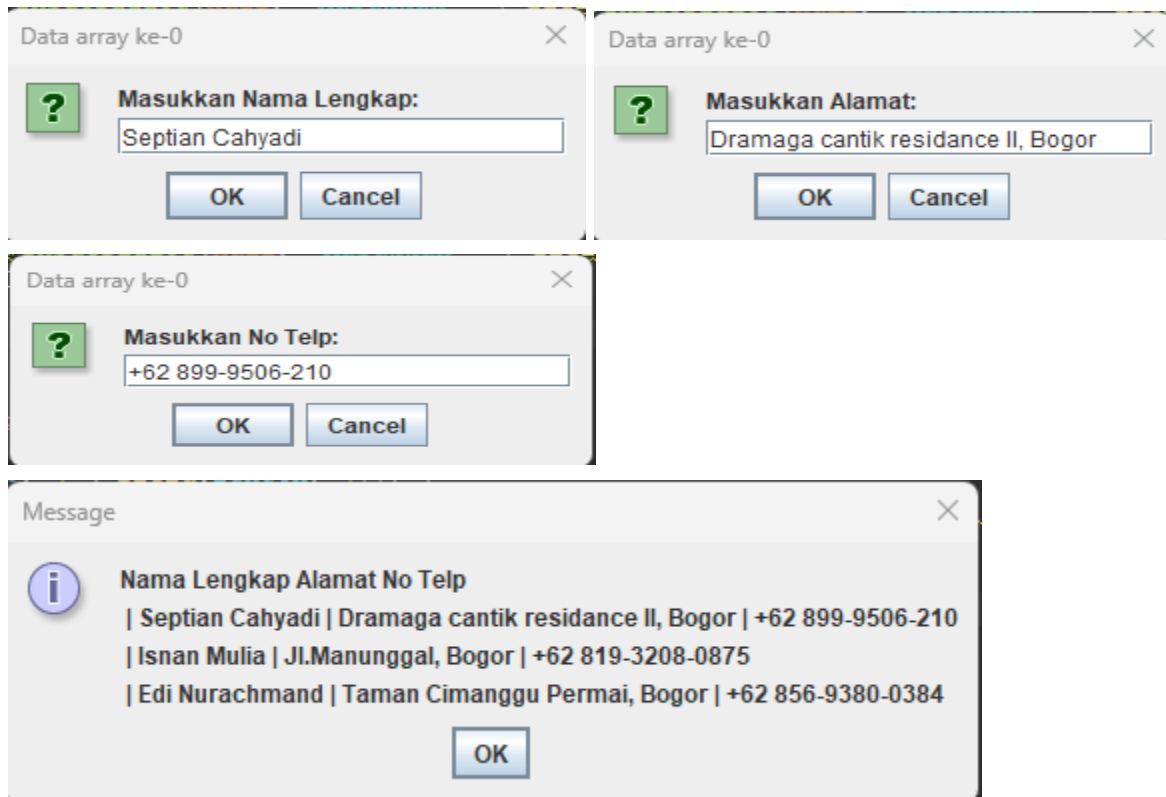


7. Latihan08

a. Source Code

```
1 import javax.swing.JOptionPane;
2
3 public class Latihan08 {
4     public static void main(String[] args) {
5         String field[][] = new String[3][3];
6         JOptionPane jop = new JOptionPane();
7         String output = "";
8
9         field[0][0] = "Nama Lengkap";
10        field[0][1] = "Alamat";
11        field[0][2] = "No Telp";
12
13        for(int i = 0; i < field.length; i++) {
14            output += field[0][i] + " ";
15        }
16
17        output += "\n";
18
19        for(int i = 0; i < field.length; i++) {
20            for(int j = 0; j < field.length; j++) {
21                String isi = jop.showInputDialog(null, "Masukkan " + field[0][j] + ":", "Data array ke-" + i, jop.QUESTION_MESSAGE);
22                output += field[i][j] = " | " + isi ;
23            }
24            output += "\n";
25        }
26
27        jop.showMessageDialog(null, output);
28    }
29 }
30
```

b. Output

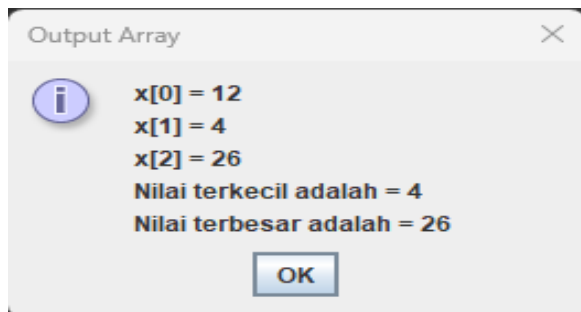
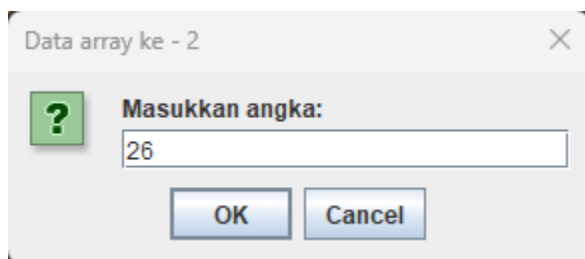
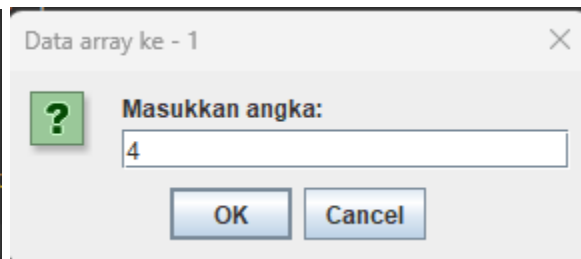
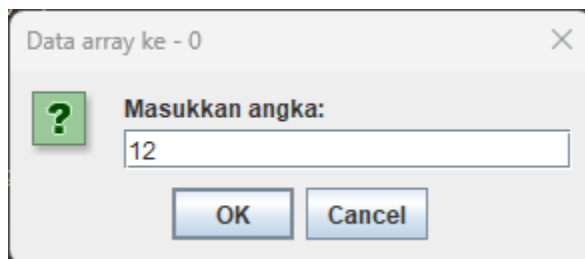
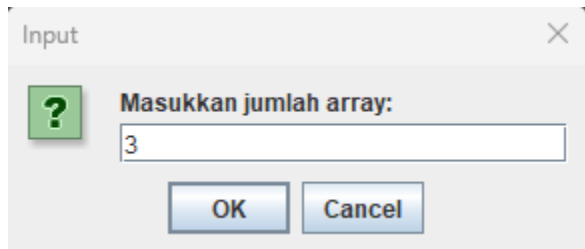


8. Latihan09

a. Source Code

```
1 import java.util.ArrayList;
2
3 import javax.swing.JOptionPane;
4
5 public class Latihan09 {
6     public static void main(String[] args) {
7         JOptionPane jop = new JOptionPane();
8
9         int jumlah_arr = Integer.parseInt(jop.showInputDialog(null, "Masukkan jumlah array:", "Input", jop.QUESTION_MESSAGE));
10        ArrayList<Integer> arr = new ArrayList<Integer>();
11        String output = "";
12        int min = 0, max = 0;
13
14        for(int i = 0; i < jumlah_arr; i++) {
15            int value_arr = Integer.parseInt(jop.showInputDialog(null, "Masukkan angka:", "Data array ke - " + i, jop.QUESTION_MESSAGE));
16            arr.add(value_arr);
17            output += "x" + "[" + i + "]" + " = " + arr.get(i) + "\n";
18        }
19
20        for(int i = 0; i < jumlah_arr; ++i) {
21            if(arr.get(0) > arr.get(i)) {
22                min = arr.get(i);
23            } else if(arr.get(0) < arr.get(i)) {
24                max = arr.get(i);
25            }
26        }
27
28        jop.showMessageDialog(null, output + "Nilai terkecil adalah = " + min + "\nNilai terbesar adalah = " + max, "Output Array",
29        );
30    }
31}
```

b. Output



9. Latihan10

a. Source Code

```
Latihan03.java  Latihan04.java  Latihan05.java  Latihan06.java  Latihan07.java  Latihan08.java  Latihan09.java  Latihan10.java  » 27
1 import java.util.ArrayList;
2
3 import javax.swing.JOptionPane;
4
5 public class Latihan10 {
6     public static void main(String[] args) {
7         ArrayList<String> field = new ArrayList<String>();
8         field.add("Nama Lengkap");
9         field.add("Alamat");
10        field.add("No Telp");
11
12        JOptionPane jop = new JOptionPane();
13        String output = "";
14
15        for(int i = 0; i < field.size(); i++) {
16            String isi = jop.showInputDialog(null, "Masukkan " + field.get(i) + ":", "Data array ke-" + i, jop.QUESTION_MESSAGE);
17            output += field.get(i) + ":" + " " + isi + "\n";
18        }
19
20        jop.showMessageDialog(null, output);
21    }
22 }
23
```

b. Output

