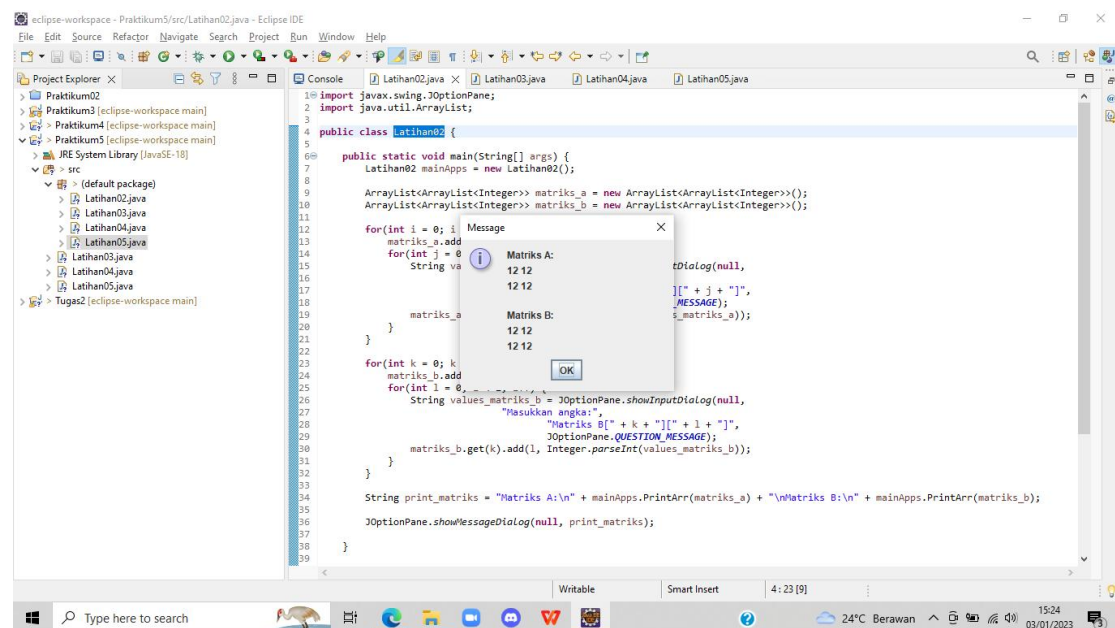
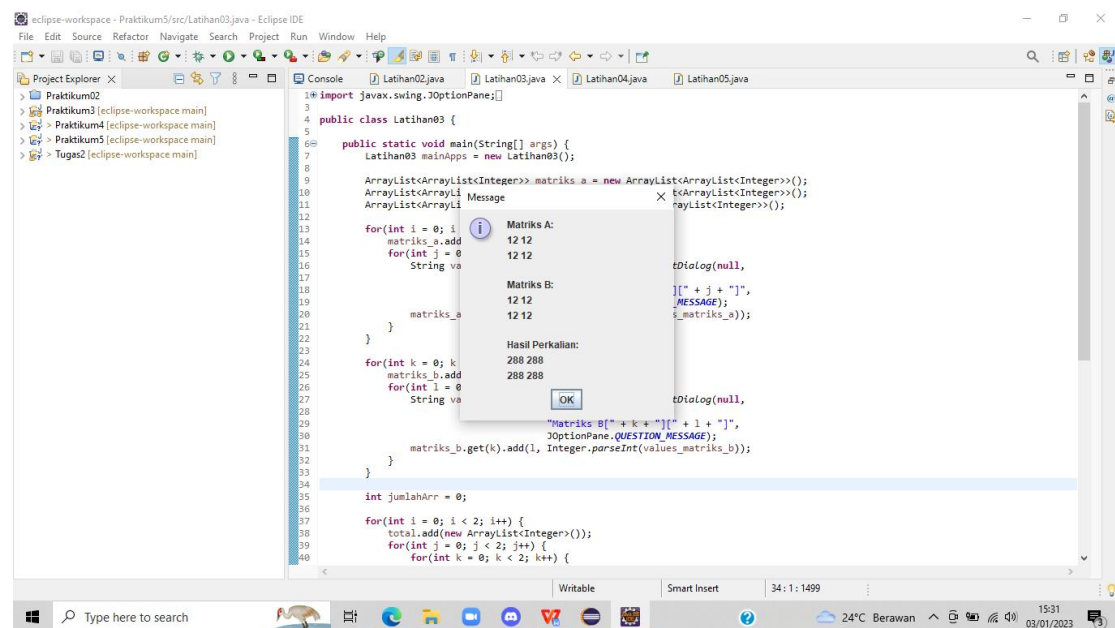


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The screenshot shows the Eclipse IDE with the file `Latihan02.java` open. The code defines a `Latihan02` class with a `main` method. It initializes two 2x2 matrices, `matriks_a` and `matriks_b`, with values 12 and 12. A `JOptionPane` dialog box is displayed, titled "Matriks A:", showing the matrix values. The code also includes a loop to calculate the sum of the matrices and a `PrintArr` method to display the result.

```
1 import javax.swing.JOptionPane;
2 import java.util.ArrayList;
3
4 public class Latihan02 {
5
6     public static void main(String[] args) {
7         Latihan02 mainApps = new Latihan02();
8
9         ArrayList<ArrayList<Integer>> matriks_a = new ArrayList<ArrayList<Integer>>();
10        ArrayList<ArrayList<Integer>> matriks_b = new ArrayList<ArrayList<Integer>>();
11
12        for(int i = 0; i < 2; i++) {
13            matriks_a.add(new ArrayList<Integer>());
14            for(int j = 0; j < 2; j++) {
15                String values_matriks_a = JOptionPane.showInputDialog(null,
16                    "Masukkan angka:");
17                Integer.parseInt(values_matriks_a);
18                matriks_a.get(i).add(Integer.parseInt(values_matriks_a));
19            }
20        }
21
22        for(int k = 0; k < 2; k++) {
23            matriks_b.add(new ArrayList<Integer>());
24            for(int l = 0; l < 2; l++) {
25                String values_matriks_b = JOptionPane.showInputDialog(null,
26                    "Masukkan angka:");
27                Integer.parseInt(values_matriks_b);
28                matriks_b.get(k).add(Integer.parseInt(values_matriks_b));
29            }
30        }
31
32        String print_matriks = "Matriks A:\n" + mainApps.PrintArr(matriks_a) + "\nMatriks B:\n" + mainApps.PrintArr(matriks_b);
33
34        JOptionPane.showMessageDialog(null, print_matriks);
35    }
36
37    private String PrintArr(ArrayList<ArrayList<Integer>> matriks) {
38        for(int i = 0; i < matriks.size(); i++) {
39            for(int j = 0; j < matriks.get(i).size(); j++) {
40                System.out.print(matriks.get(i).get(j) + " ");
41            }
42            System.out.println();
43        }
44        return "";
45    }
46 }
```



The screenshot shows the Eclipse IDE with the file `Latihan03.java` open. The code defines a `Latihan03` class with a `main` method. It initializes two 2x2 matrices, `matriks_a` and `matriks_b`, with values 12 and 12. A `JOptionPane` dialog box is displayed, titled "Matriks A:", showing the matrix values. The code also includes a loop to calculate the sum of the matrices and a `PrintArr` method to display the result.

```
1 import javax.swing.JOptionPane;
2
3 public class Latihan03 {
4
5     public static void main(String[] args) {
6         Latihan03 mainApps = new Latihan03();
7
8         ArrayList<ArrayList<Integer>> matriks_a = new ArrayList<ArrayList<Integer>>();
9         ArrayList<ArrayList<Integer>> matriks_b = new ArrayList<ArrayList<Integer>>();
10
11        for(int i = 0; i < 2; i++) {
12            matriks_a.add(new ArrayList<Integer>());
13            for(int j = 0; j < 2; j++) {
14                String values_matriks_a = JOptionPane.showInputDialog(null,
15                    "Masukkan angka:");
16                Integer.parseInt(values_matriks_a);
17                matriks_a.get(i).add(Integer.parseInt(values_matriks_a));
18            }
19        }
20
21        for(int k = 0; k < 2; k++) {
22            matriks_b.add(new ArrayList<Integer>());
23            for(int l = 0; l < 2; l++) {
24                String values_matriks_b = JOptionPane.showInputDialog(null,
25                    "Masukkan angka:");
26                Integer.parseInt(values_matriks_b);
27                matriks_b.get(k).add(Integer.parseInt(values_matriks_b));
28            }
29        }
30
31        String print_matriks = "Matriks A:\n" + mainApps.PrintArr(matriks_a) + "\nMatriks B:\n" + mainApps.PrintArr(matriks_b);
32
33        JOptionPane.showMessageDialog(null, print_matriks);
34    }
35
36    private String PrintArr(ArrayList<ArrayList<Integer>> matriks) {
37        for(int i = 0; i < matriks.size(); i++) {
38            for(int j = 0; j < matriks.get(i).size(); j++) {
39                System.out.print(matriks.get(i).get(j) + " ");
40            }
41            System.out.println();
42        }
43        return "";
44    }
45 }
```

