

Nama : Muhamad Rizki Fadhli

NPM : 212310028

KELAS : TI-21-PA

Praktikum-3-Swing-1

Latihan 02

```
import javax.swing.JOptionPane;
```

```
public class Latihan02 {
```

```
    public static void main(String[] args) {
```

```
        Biodata myBio = new Biodata();
```

```
        myBio.setFullName(JOptionPane.showInputDialog(
```

```
            null,
```

```
            "Input your fullname:",
```

```
            "Form Input",
```

```
            JOptionPane.QUESTION_MESSAGE
```

```
        ));
```

```
        myBio.setAge(Integer.parseInt(JOptionPane.showInputDialog(
```

```
            null,
```

```
            "Input your age:",
```

```
            "Form Input",
```

```
            JOptionPane.QUESTION_MESSAGE
```

```
        )));
```

```
        myBio.setAddress(JOptionPane.showInputDialog(
```

```
            null,
```

```
            "Input your address:",
```

```
            "Form Input",
```

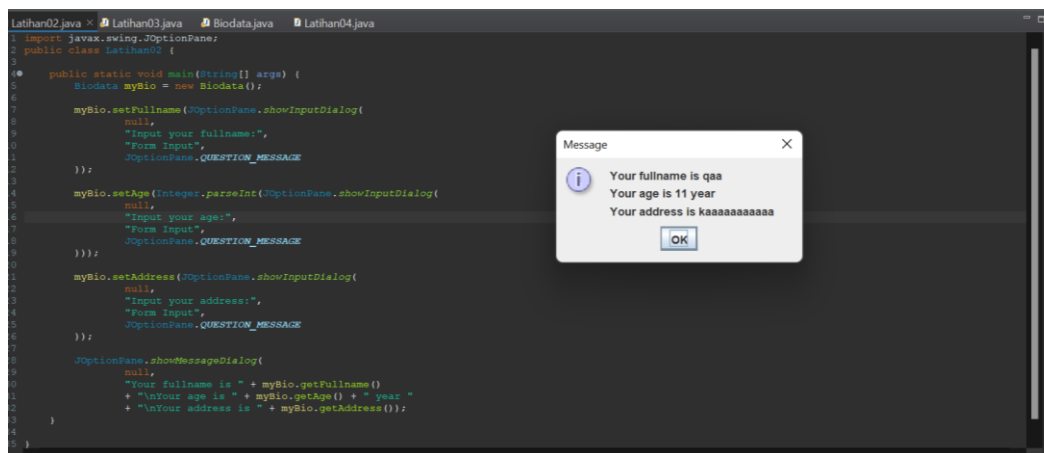
```
            JOptionPane.QUESTION_MESSAGE
```

```
));
```

```
JOptionPane.showMessageDialog(  
    null,  
    "Your fullname is " + myBio.getFullname()  
    + "\nYour age is " + myBio.getAge() + " year "  
    + "\nYour address is " + myBio.getAddress());
```

```
}
```

```
}
```



Latihan 03

```
import javax.swing.JOptionPane;
```

```
import java.util.regex.Pattern;
```

```
public class Latihan03 {
```

```
    public static void main(String[] args) {
```

```
        Biodata myBio = new Biodata();
```

```
        String Fullname, Address, Age;
```

```
Fullname = JOptionPane.showInputDialog(
    null,
    "Input Your Name",
    "Form Input",
    JOptionPane.QUESTION_MESSAGE);
```

```
Age = JOptionPane.showInputDialog(
    null,
    "Input Your Age",
    "Form Input",
    JOptionPane.QUESTION_MESSAGE);
```

```
Address = JOptionPane.showInputDialog(
    null,
    "Input Your Address",
    "Form Input",
    JOptionPane.QUESTION_MESSAGE);
```

```
if(Fullname.isEmpty() && Address.isEmpty() && Age.isEmpty()) {
    JOptionPane.showMessageDialog(
        null,
        "Field fullname/usia/alamat tidak boleh kosong",
        "Error Message",
        JOptionPane.ERROR_MESSAGE);
}
```

```
else
    if(!Pattern.matches("^[0-9]+$", Age)) {
        JOptionPane.showMessageDialog(
            null,
            "Isian usia harus angka",
```

```

        "Error Message",
        JOptionPane.ERROR_MESSAGE);
    }

    else if(Address.length() < 10) {

        JOptionPane.showMessageDialog(

            null,

            "Masukan alamat minimum 10 karakter",

            "Error Message",

            JOptionPane.ERROR_MESSAGE);

    }

    else {

        JOptionPane.showMessageDialog(

            null,

            "Seluruh informasi telah dimasukan",

            "Output Message",

            JOptionPane.INFORMATION_MESSAGE);

    }

}

}

```

The screenshot shows a Java IDE with a code editor on the left and an output message dialog on the right. The code editor displays a Java class named `Latihan01` with a `main` method. The code prompts the user to enter their name, age, and address using `JOptionPane.showInputDialog`. It then checks if the inputs are empty. If they are, it shows an error message. If not, it shows an information message. The output message dialog on the right displays the message "Seluruh informasi telah dimasukan" (All information has been entered) with an "OK" button.

```

1 public class Latihan01 {
2     public static void main(String[] args) {
3         Biodata myBio = new Biodata();
4
5         String Fullname, Address, Age;
6
7         Fullname = JOptionPane.showInputDialog(
8             null,
9             "Input Your Name",
10            "Form Input",
11            JOptionPane.QUESTION_MESSAGE);
12
13         Age = JOptionPane.showInputDialog(
14             null,
15             "Input Your Age",
16             "Form Input",
17             JOptionPane.QUESTION_MESSAGE);
18
19         Address = JOptionPane.showInputDialog(
20             null,
21             "Input Your Address",
22             "Form Input",
23             JOptionPane.QUESTION_MESSAGE);
24
25         if(Fullname.isEmpty() && Address.isEmpty() && Age.isEmpty()) {
26             JOptionPane.showMessageDialog(
27                 null,
28                 "Field Fullname/usia/alamat tidak boleh kosong",
29                 "Error Message",
30                 JOptionPane.ERROR_MESSAGE);
31         }
32     }
33 }

```

Output Message

Seluruh informasi telah dimasukan

OK

```

Latihan02.java  Latihan03.java x  Biodata.java  Latihan04.java
1      "Field Fullname/usia/alamat tidak boleh
2      "Error Message",
3      JOptionPane.ERROR_MESSAGE);
4
5      }
6
7
8      else
9      {
10         if(!Pattern.matches("[0-9]+", Age)) {
11             JOptionPane.showMessageDialog(
12                 null,
13                 "Isian usia harus angka",
14                 "Error Message",
15                 JOptionPane.ERROR_MESSAGE);
16         }
17
18         else if(Address.length() < 10) {
19             JOptionPane.showMessageDialog(
20                 null,
21                 "Masukan alamat minimum 10 karakter",
22                 "Error Message",
23                 JOptionPane.ERROR_MESSAGE);
24         }
25         else {
26             JOptionPane.showMessageDialog(
27                 null,
28                 "Meluruh informasi telah dimasukan",
29                 "Output Message",
30                 JOptionPane.INFORMATION_MESSAGE);
31         }
32     }
33 }
34
35 }
36

```

Latihan 04

```
import javax.swing.JOptionPane;
```

```
import java.util.regex.Pattern;
```

```
public class Latihan04 {
```

```
    public static void main(String[] args) {
```

```
        Biodata myBio = new Biodata();
```

```
        String Fullname, Address, Age;
```

```
        boolean again = true;
```

```
        while(again) {
```

```
            Fullname = JOptionPane.showInputDialog(
```

```
                null,
```

```
                "Input Your Name",
```

```
                "Form Input",
```

```
                JOptionPane.QUESTION_MESSAGE);
```

```
            Age = JOptionPane.showInputDialog(
```

```
                null,
```

```
                "Input Your Age",
```

```
                "Form Input",
```

```
JOptionPane.QUESTION_MESSAGE);
```

```
Address = JOptionPane.showInputDialog(  
    null,  
    "Input Your Address",  
    "Form Input",  
    JOptionPane.QUESTION_MESSAGE);
```

```
if(Fullname.isEmpty() && Address.isEmpty() && Age.isEmpty()) {  
    JOptionPane.showMessageDialog(  
        null,  
        "Field fullname/usia/alamat tidak boleh kosong",  
        "Error Message",  
        JOptionPane.ERROR_MESSAGE);  
}
```

```
else  
    if(!Pattern.matches("[0-9]+$", Age)) {  
        JOptionPane.showMessageDialog(  
            null,  
            "Isian usia harus angka",  
            "Error Message",  
            JOptionPane.ERROR_MESSAGE);  
    }
```

```
else if(Address.length() < 10) {  
    JOptionPane.showMessageDialog(  
        null,  
        "Masukan alamat minimum 10 karakter",  
        "Error Message",  
        JOptionPane.ERROR_MESSAGE);
```

```

    }
    else {
        JOptionPane.showMessageDialog(
            null,
            "Seluruh informasi telah dimasukan",
            "Output Message",
            JOptionPane.INFORMATION_MESSAGE);
    }

    JOptionPane.showMessageDialog(
        null,
        "Your fullname is " + myBio.getFullname()
        + "\nYour age is " + myBio.getAge() + " year "
        + "\nYour address is " + myBio.getAddress());

    int exit = JOptionPane.showConfirmDialog(
        null,
        "Apakah anda ingin keluar ?",
        "Keluar",
        JOptionPane.YES_NO_CANCEL_OPTION);

    if(exit == JOptionPane.YES_OPTION) {
        again = false;
    } else {
        again = true;
    }
}

}

}

```

```

Latihan02.java  Latihan03.java  Biodata.java  Latihan04.java x
import javax.swing.JOptionPane;
import java.util.regex.Pattern;

public class Latihan04 {

    public static void main(String[] args) {
        Biodata myBio = new Biodata();

        String Fullname, Address, Age;
        boolean again = true;


        while (again) {
            Fullname = JOptionPane.showInputDialog(
                null,
                "Input Your Name",
                "Form Input",
                JOptionPane.QUESTION_MESSAGE);

            Age = JOptionPane.showInputDialog(
                null,
                "Input Your Age",
                "Form Input",
                JOptionPane.QUESTION_MESSAGE);

            Address = JOptionPane.showInputDialog(
                null,
                "Input Your Address",
                "Form Input",
                JOptionPane.QUESTION_MESSAGE);

            if (Fullname.isEmpty() && Address.isEmpty() && Age.isEmpty()) {
                JOptionPane.showMessageDialog(
                    null,
                    "Field fullname/usia/alamat tidak boleh kosong",
                    "Error Message",
                    JOptionPane.ERROR_MESSAGE);
            }
        }
    }
}

```



```

Latihan02.java  Latihan03.java  Biodata.java  Latihan04.java x
50
51         if (Fullname.isEmpty() && Address.isEmpty() && Age.isEmpty()) {
52             JOptionPane.showMessageDialog(
53                 null,
54                 "Field fullname/usia/alamat tidak boleh kosong",
55                 "Error Message",
56                 JOptionPane.ERROR_MESSAGE);
57         }
58     }
59     else {
60         if (!Pattern.matches("^[0-9]+$", Age)) {
61             JOptionPane.showMessageDialog(
62                 null,
63                 "Isian usia harus angka",
64                 "Error Message",
65                 JOptionPane.ERROR_MESSAGE);
66         }
67     }
68     else if (Address.length() < 10) {
69         JOptionPane.showMessageDialog(
70             null,
71             "Masukan alamat minimum 10 karakter",
72             "Error Message",
73             JOptionPane.ERROR_MESSAGE);
74     }
75     else {
76         JOptionPane.showMessageDialog(
77             null,
78             "Seluruh informasi telah dimasukan",
79             "Output Message",
80             JOptionPane.INFORMATION_MESSAGE);
81     }
82     JOptionPane.showMessageDialog(
83         null,
84         "Program selesai",
85         "Output Message",
86         JOptionPane.INFORMATION_MESSAGE);
87 }

```

```

Latihan02.java  Latihan03.java  Biodata.java  Latihan04.java x
51         "Masukan alamat minimum 10 Karakter",
52         "Error Message",
53         JOptionPane.ERROR_MESSAGE);
54     }
55     else {
56         JOptionPane.showMessageDialog(
57             null,
58             "Seluruh informasi telah dimasukan",
59             "Output Message",
60             JOptionPane.INFORMATION_MESSAGE);
61     }
62     JOptionPane.showMessageDialog(
63         null,
64         "Your fullname is " + myBio.getFullname()
65         + "\nYour age is " + myBio.getAge() + " year "
66         + "\nYour address is " + myBio.getAddress());
67     int exit = JOptionPane.showConfirmDialog(
68         null,
69         "Apakah anda ingin keluar ?",
70         "Keluar",
71         JOptionPane.YES_NO_CANCEL_OPTION);
72     if (exit == JOptionPane.YES_OPTION) {
73         again = false;
74     } else {
75         again = true;
76     }
77 }
78 }
79 }
80 }
81 }
82 }
83 }
84 }
85 }

```

Biodata


```
import javax.swing.JOptionPane;
```

```
public class Biodata {
```

```
    private String Fullname, Address;
```

```
    private int Age;
```

```
    public String getFullname() {
```

```
        return Fullname;
```

```
    }
```

```
    public void setFullname(String fullname) {
```

```
        Fullname = fullname;
```

```
    }
```

```
    public String getAddress() {
```

```
        return Address;
```

```
    }
```

```
    public void setAddress(String address) {
```

```
        Address = address;
```

```
    }
```

```
    public int getAge() {
```

```
        return Age;
```

```
    }
```

```
    public void setAge(int age) {
```

```
        this.Age = age;
```

```
    }
```

```
}
```

```
Latihan02.java  Latihan03.java  Biodata.java ×  Latihan04.java
1 import javax.swing.JOptionPane;
2
3 public class Biodata {
4
5     private String Fullname, Address;
6     private int Age;
7
8     public String getFullname() {
9         return Fullname;
10    }
11    public void setFullname(String fullname) {
12        Fullname = fullname;
13    }
14
15    public String getAddress() {
16        return Address;
17    }
18    public void setAddress(String address) {
19        Address = address;
20    }
21
22    public int getAge() {
23        return Age;
24    }
25    public void setAge(int age) {
26        this.Age = age;
27    }
28 }
29
30
31
32
```