

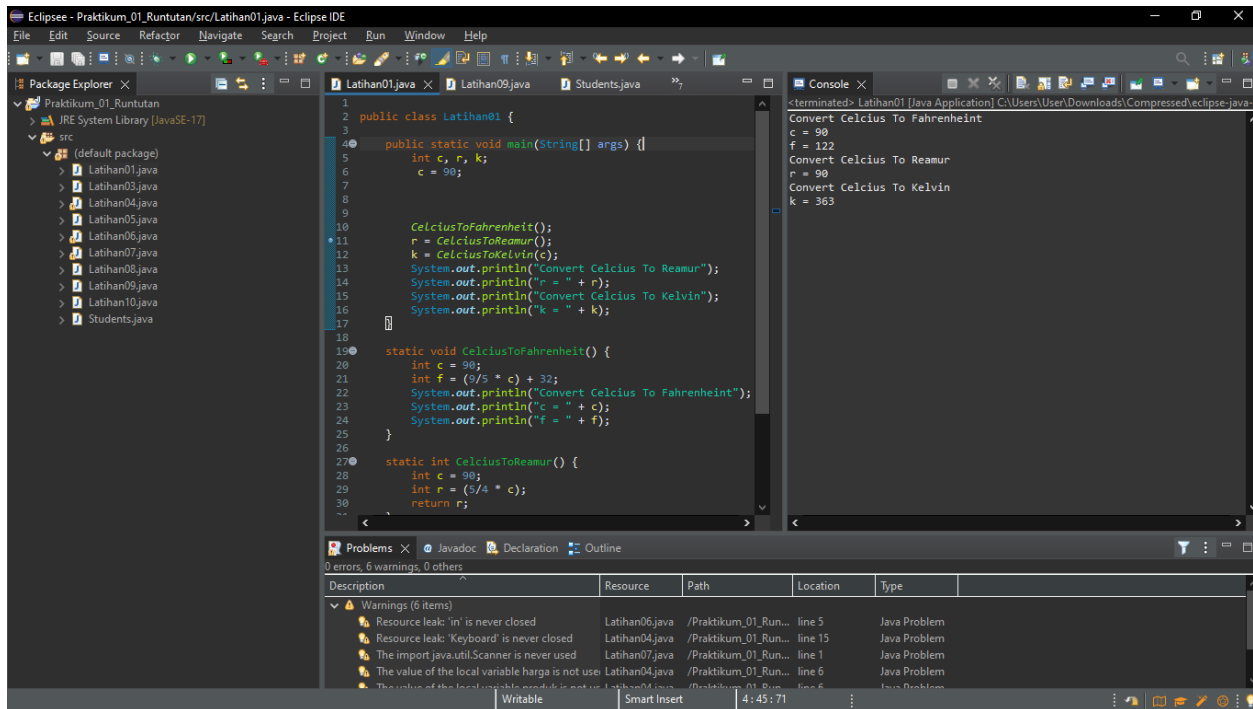
Hasil Praktikum1 PBO

Fathurahman AL Faridzi

212310018

TI-21-PA

## Latihan01



The screenshot displays the Eclipse IDE interface with the following components:

- Package Explorer:** Shows the project structure with files `Latihan01.java` through `Latihan10.java` and `Students.java`.
- Editor:** Contains the source code for `Latihan01.java`. The code defines a `Latihan01` class with a `main` method and three static methods for temperature conversion.
- Console:** Displays the output of the program execution.
- Problems View:** Shows six warnings related to resource leaks and unused imports/variables.

```
1 public class Latihan01 {
2
3
4     public static void main(String[] args) {
5         int c, r, k;
6         c = 90;
7
8
9         CelciusToFahrenheit();
10        r = CelciusToReamur();
11        k = CelciusToKelvin(c);
12        System.out.println("Convert Celcius To Reamur");
13        System.out.println("r = " + r);
14        System.out.println("Convert Celcius To Kelvin");
15        System.out.println("k = " + k);
16    }
17
18    static void CelciusToFahrenheit() {
19        int c = 90;
20        int f = (9/5 * c) + 32;
21        System.out.println("Convert Celcius To Fahrenheit");
22        System.out.println("c = " + c);
23        System.out.println("f = " + f);
24    }
25
26    static int CelciusToReamur() {
27        int c = 90;
28        int r = (5/4 * c);
29        return r;
30    }
31 }
```

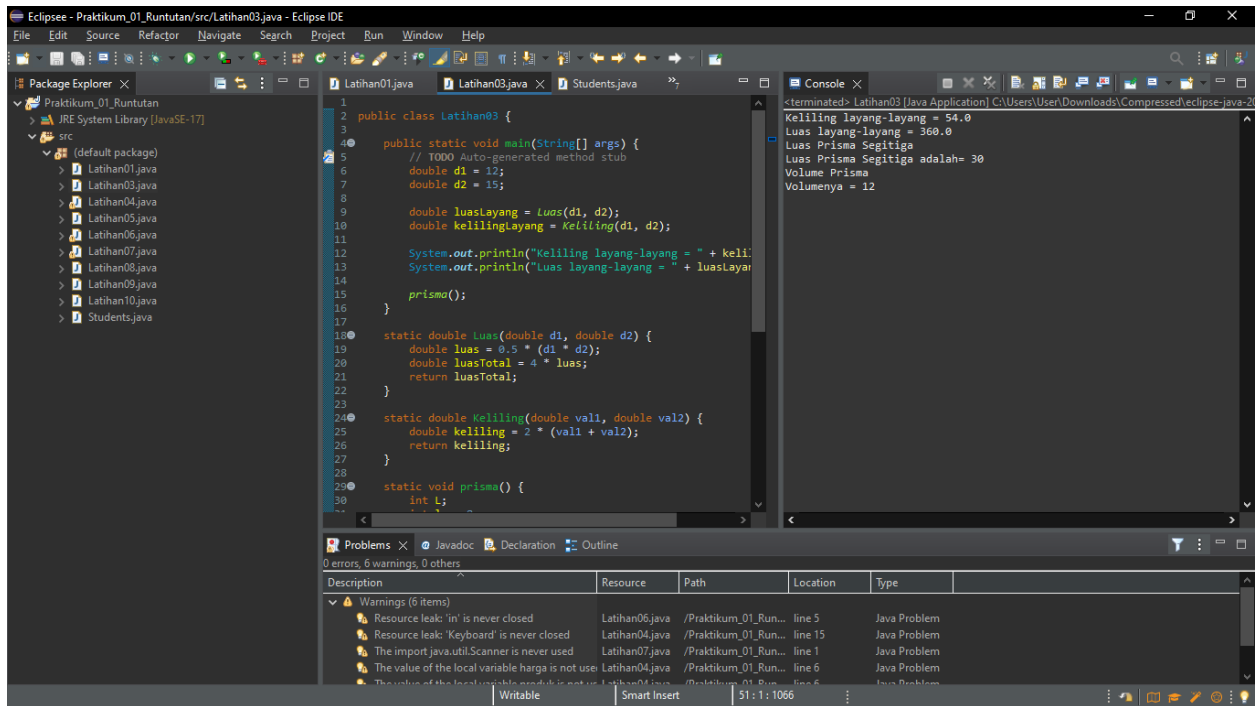
Console Output:

```
<terminated> Latihan01 [Java Application] C:\Users\User\Downloads\Compressed\eclipse-java-
Convert Celcius To Fahrenheit
c = 90
f = 122
Convert Celcius To Reamur
r = 90
Convert Celcius To Kelvin
k = 363
```

Problems View:

Description	Resource	Path	Location	Type
Warnings (6 items)				
Resource leak: 'in' is never closed	Latihan06.java	/Praktikum_01_Run...	line 5	Java Problem
Resource leak: 'Keyboard' is never closed	Latihan04.java	/Praktikum_01_Run...	line 15	Java Problem
The import java.util.Scanner is never used	Latihan07.java	/Praktikum_01_Run...	line 1	Java Problem
The value of the local variable harga is not use	Latihan04.java	/Praktikum_01_Run...	line 6	Java Problem
The value of the local variable produk is not use	Latihan04.java	/Praktikum_01_Run...	line 6	Java Problem

## Latihan03



```
1 public class Latihan03 {
2
3     public static void main(String[] args) {
4         // TODO Auto-generated method stub
5         double d1 = 12;
6         double d2 = 15;
7
8         double luasLayang = luas(d1, d2);
9         double kelilingLayang = keliling(d1, d2);
10
11         System.out.println("Keliling layang-layang = " + kelilingLayang);
12         System.out.println("Luas layang-layang = " + luasLayang);
13
14         prisma();
15     }
16
17     static double luas(double d1, double d2) {
18         double luas = 0.5 * (d1 * d2);
19         double luasTotal = 4 * luas;
20         return luasTotal;
21     }
22
23     static double keliling(double val1, double val2) {
24         double keliling = 2 * (val1 + val2);
25         return keliling;
26     }
27
28     static void prisma() {
29         int L;
30     }
31 }
```

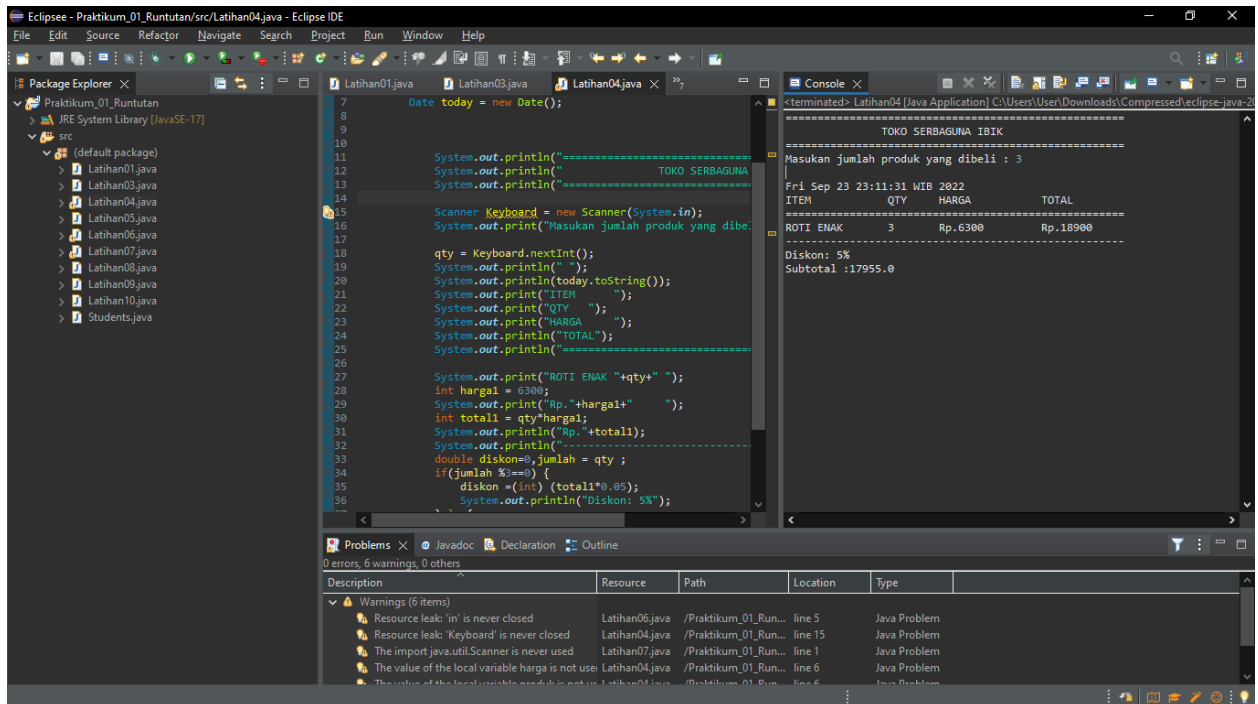
Console Output:

```
<terminated> Latihan03 [Java Application] C:\Users\User\Downloads\Compressed\eclipse-java-20
Keliling layang-layang = 54.0
Luas layang-layang = 360.0
Luas Prisma Segitiga
Luas Prisma Segitiga adalah= 30
Volume Prisma
Volumenya = 12
```

Problems: 0 errors, 6 warnings, 0 others

Description	Resource	Path	Location	Type
Resource leak: 'in' is never closed	Latihan06.java	/Praktikum_01_Run...	line 5	Java Problem
Resource leak: 'Keyboard' is never closed	Latihan04.java	/Praktikum_01_Run...	line 15	Java Problem
The import java.util.Scanner is never used	Latihan07.java	/Praktikum_01_Run...	line 1	Java Problem
The value of the local variable harga is not use	Latihan04.java	/Praktikum_01_Run...	line 6	Java Problem
The value of the local variable produk is not use	Latihan04.java	/Praktikum_01_Run...	line 6	Java Problem

## Latihan04



```
7 Date today = new Date();
8
9
10
11 System.out.println("===== TOKO SERBAGUNA IBIK =====");
12 System.out.println("Masukan jumlah produk yang dibeli : 3");
13 System.out.println("=====");
14
15 Scanner Keyboard = new Scanner(System.in);
16 System.out.print("Masukan jumlah produk yang dibeli: ");
17
18 qty = Keyboard.nextInt();
19 System.out.println(today.toString());
20 System.out.print("ITEM ");
21 System.out.print("QTY ");
22 System.out.print("HARGA ");
23 System.out.println("TOTAL");
24 System.out.println("=====");
25
26 System.out.print("ROTI ENAK "+qty+" ");
27 int hargal = 6300;
28 System.out.print("Rp."+hargal+" ");
29 int total1 = qty*hargal;
30 System.out.println("Rp."+total1);
31 System.out.print("Diskon: 5%");
32 double diskone = jumlah * qty;
33 if(jumlah % 3 == 0) {
34     diskon = (int) (total1*0.05);
35     System.out.println("Diskon: 5%");
36 }
```

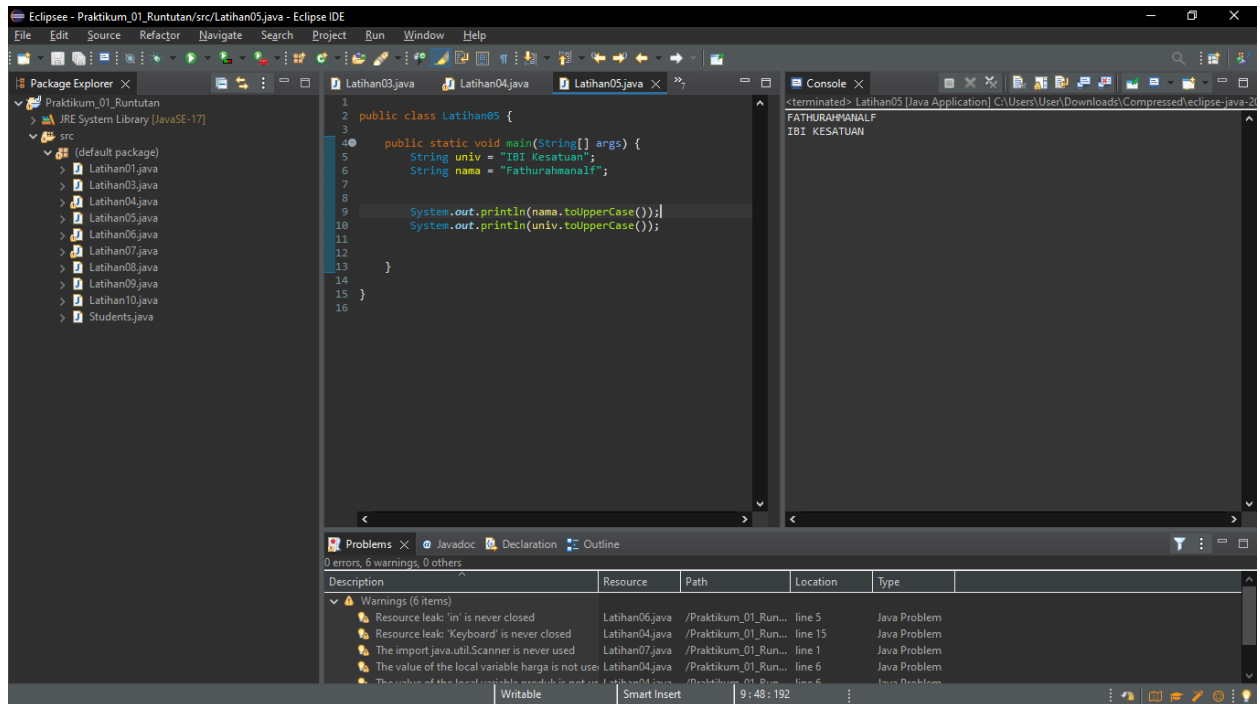
Console Output:

```
<terminated> Latihan04 [Java Application] C:\Users\User\Downloads\Compressed\eclipse-java-20
=====
TOKO SERBAGUNA IBIK
Masukan jumlah produk yang dibeli : 3
Fri Sep 23 23:11:31 WIB 2022
ITEM QTY HARGA TOTAL
ROTI ENAK 3 Rp.6300 Rp.18900
Diskon: 5%
Subtotal :17955.0
```

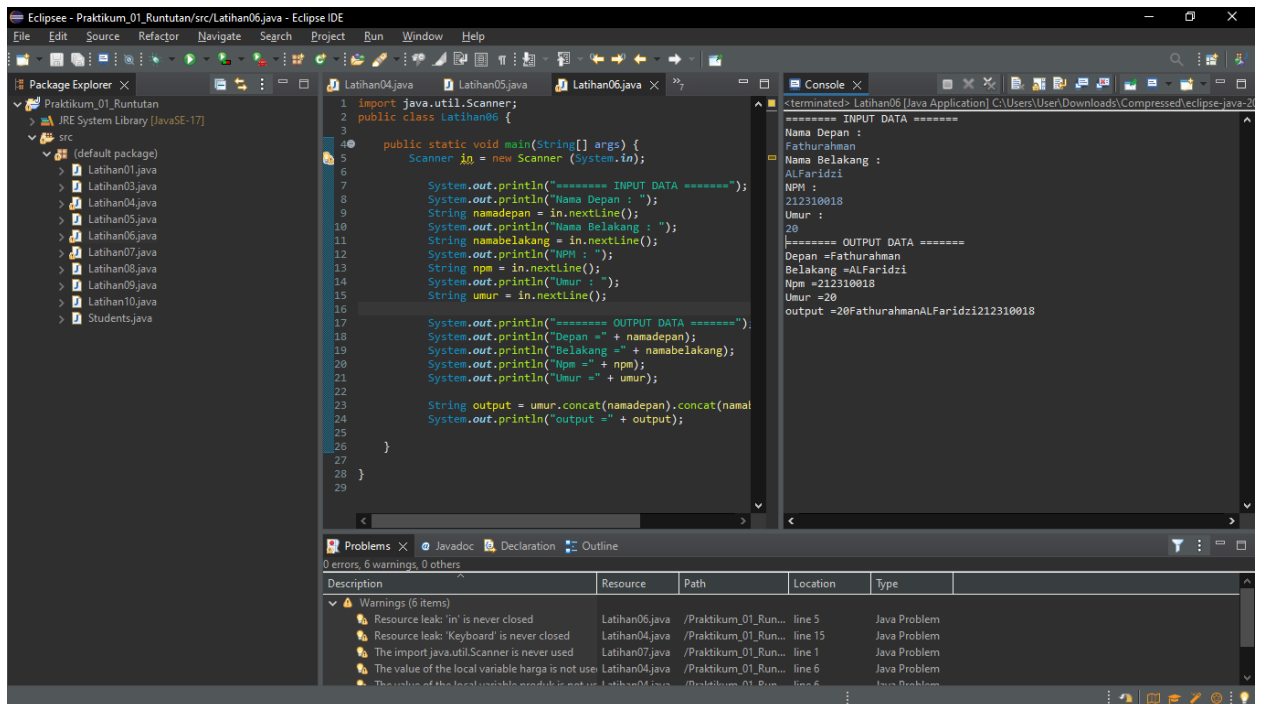
Problems: 0 errors, 6 warnings, 0 others

Description	Resource	Path	Location	Type
Resource leak: 'in' is never closed	Latihan06.java	/Praktikum_01_Run...	line 5	Java Problem
Resource leak: 'Keyboard' is never closed	Latihan04.java	/Praktikum_01_Run...	line 15	Java Problem
The import java.util.Scanner is never used	Latihan07.java	/Praktikum_01_Run...	line 1	Java Problem
The value of the local variable harga is not use	Latihan04.java	/Praktikum_01_Run...	line 6	Java Problem
The value of the local variable produk is not use	Latihan04.java	/Praktikum_01_Run...	line 6	Java Problem

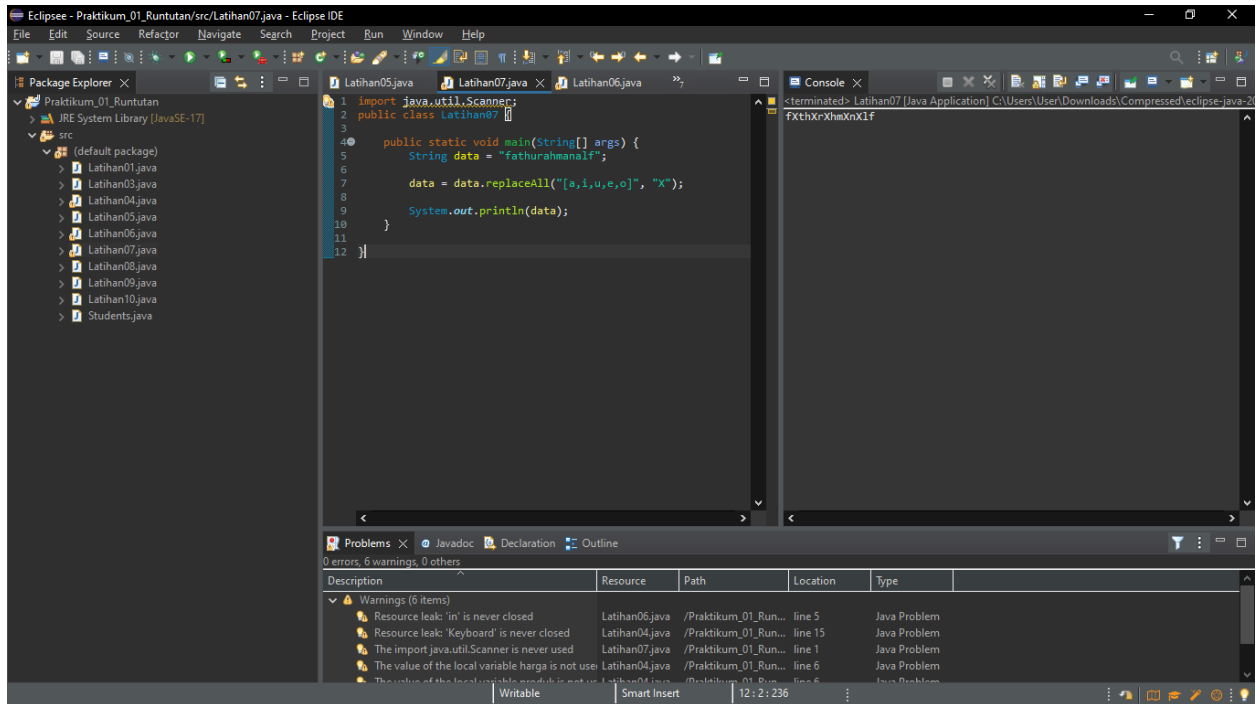
## Latihan05



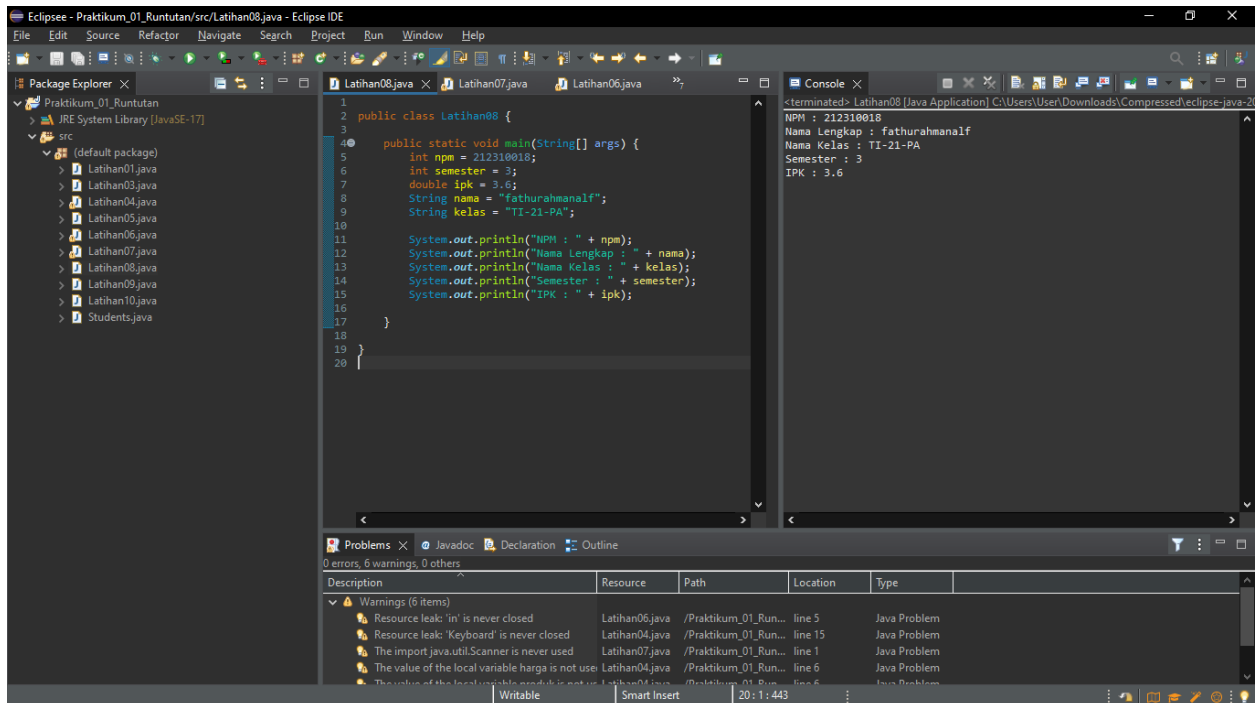
## Latihan06



## Latihan07



## Latihan08



## Latihan09

The screenshot shows the Eclipse IDE with the file `Latihan09.java` open. The code defines a `Students` class with methods `input()` and `output()`. The `input()` method uses a `Scanner` to collect user input for name, NPM, and semester. The `output()` method prints the collected data. The console shows the output of the program, which matches the input provided in the code comments.

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```

```
import java.util.Scanner;  
  
public class Students {  
    public static void input() {  
        Scanner input = new Scanner(System.in);  
        Students myBio = new Students();  
        System.out.print("Masukan Nama : ");  
        String textnama = input.nextLine();  
        String FullName = myBio.GetFullName(textnama);  
        System.out.print("Masukan NPM : ");  
        int textnpm = input.nextInt();  
        int NPM = myBio.GetNPM(textnpm);  
        output(NPM, FullName);  
        input.close();  
    }  
    static void output(int NPM, String FullName) {  
        System.out.println("====OUTPUT====");  
        Student myBio = new Students();  
        System.out.println("NPM Mahasiswa = " + NPM);  
        System.out.println("Nama Mahasiswa = " + FullName);  
        String ClassName = myBio.GetClassName("TI-21-PA");  
        System.out.println("Kelas Mahasiswa = " + ClassName);  
        int Semester = myBio.GetSemester(3);  
        System.out.println("Semester = " + Semester);  
        double GPA = myBio.GetGPA(4.0);  
        System.out.println("IPK = " + GPA);  
    }  
}
```

```
<terminated> Latihan09 [Java Application] C:\Users\User\Downloads\Compressed\eclipse-java-20  
Masukan Nama = fathur  
Masukan NPM = 212310018  
====OUTPUT====  
NPM Mahasiswa = 212310018  
Nama Mahasiswa = fathur  
Kelas Mahasiswa = TI-21-PA  
Semester = 3  
IPK = 4.0
```

## Latihan10

The screenshot shows the Eclipse IDE with the file `Latihan10.java` open. The code defines a `Latihan10` class with a `main` method. The `main` method uses a `Scanner` to collect user input for the number of products, the name of the member, and the price of the products. The program then calculates the total price and prints the results. The console shows the output of the program, which matches the input provided in the code comments.

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