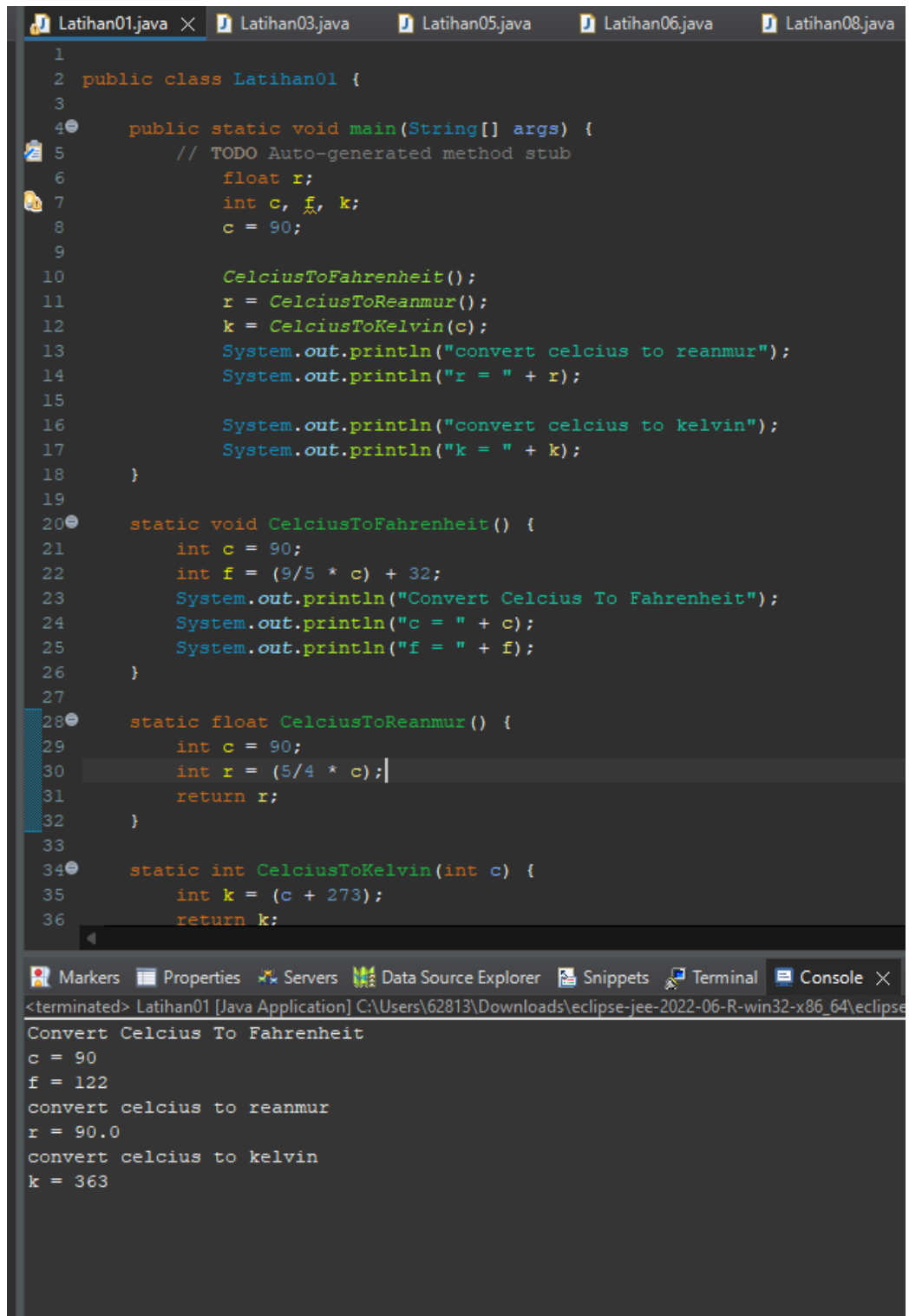


Hasil Program Latihan01



The screenshot displays the Eclipse IDE interface. The top toolbar shows several open files: Latihan01.java, Latihan03.java, Latihan05.java, Latihan06.java, and Latihan08.java. The main editor window shows the source code for Latihan01.java. The code defines a public class Latihan01 with a main method and three static methods for temperature conversion: CelciusToFahrenheit, CelciusToReanmur, and CelciusToKelvin. The main method initializes variables c, f, and k, sets c to 90, and calls the conversion methods. The console window at the bottom shows the output of the program, including the initial value of c, the results of the conversions, and the final values of f and k.

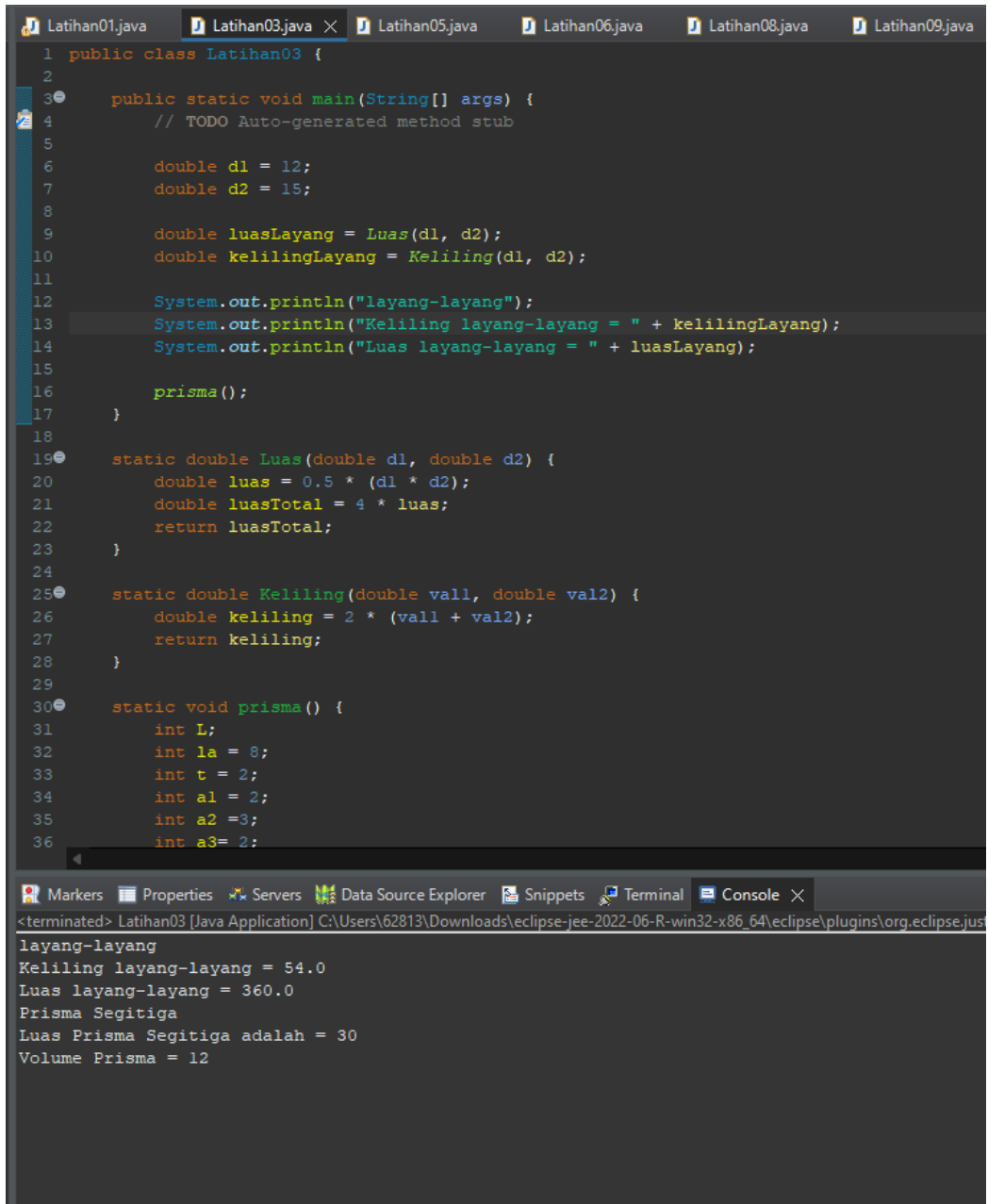
```
1
2 public class Latihan01 {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         float r;
7         int c, f, k;
8         c = 90;
9
10        CelciusToFahrenheit();
11        r = CelciusToReanmur();
12        k = CelciusToKelvin(c);
13        System.out.println("convert celcius to reanmur");
14        System.out.println("r = " + r);
15
16        System.out.println("convert celcius to kelvin");
17        System.out.println("k = " + k);
18    }
19
20    static void CelciusToFahrenheit() {
21        int c = 90;
22        int f = (9/5 * c) + 32;
23        System.out.println("Convert Celcius To Fahrenheit");
24        System.out.println("c = " + c);
25        System.out.println("f = " + f);
26    }
27
28    static float CelciusToReanmur() {
29        int c = 90;
30        int r = (5/4 * c);
31        return r;
32    }
33
34    static int CelciusToKelvin(int c) {
35        int k = (c + 273);
36        return k;
37    }
38 }
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console

<terminated> Latihan01 [Java Application] C:\Users\62813\Downloads\eclipse-jee-2022-06-R-win32-x86_64\eclipse

Convert Celcius To Fahrenheit
c = 90
f = 122
convert celcius to reanmur
r = 90.0
convert celcius to kelvin
k = 363

Hasil Program Latihan03



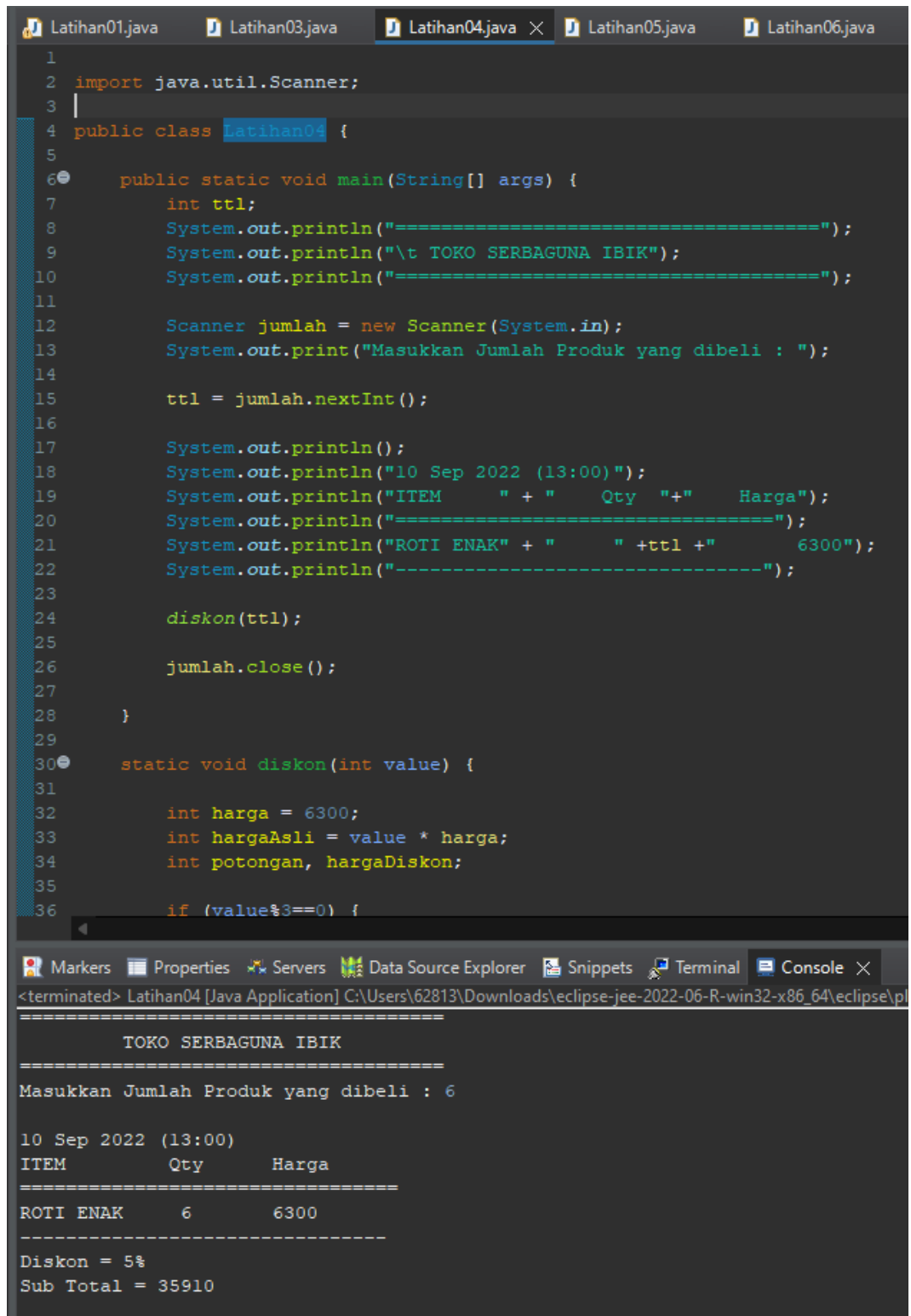
```
1 public class Latihan03 {
2
3     public static void main(String[] args) {
4         // TODO Auto-generated method stub
5
6         double d1 = 12;
7         double d2 = 15;
8
9         double luasLayang = Luas(d1, d2);
10        double kelilingLayang = Keliling(d1, d2);
11
12        System.out.println("layang-layang");
13        System.out.println("Keliling layang-layang = " + kelilingLayang);
14        System.out.println("Luas layang-layang = " + luasLayang);
15
16        prisma();
17    }
18
19    static double Luas(double d1, double d2) {
20        double luas = 0.5 * (d1 * d2);
21        double luasTotal = 4 * luas;
22        return luasTotal;
23    }
24
25    static double Keliling(double val1, double val2) {
26        double keliling = 2 * (val1 + val2);
27        return keliling;
28    }
29
30    static void prisma() {
31        int L;
32        int la = 8;
33        int t = 2;
34        int a1 = 2;
35        int a2 = 3;
36        int a3 = 2;
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console X

<terminated> Latihan03 [Java Application] C:\Users\62813\Downloads\eclipse-jee-2022-06-R-win32-x86_64\eclipse\plugins\org.eclipse.jst

layang-layang
Keliling layang-layang = 54.0
Luas layang-layang = 360.0
Prisma Segitiga
Luas Prisma Segitiga adalah = 30
Volume Prisma = 12

Hasil Program Latihan04



The screenshot displays the Eclipse IDE with a Java project. The top editor shows the source code for `Latihan04.java`. The code imports `java.util.Scanner` and defines a `main` method that prompts the user for a quantity, calculates a total price with a 5% discount, and prints the results. A `diskon` method is also defined to handle the discount logic.

```
1
2 import java.util.Scanner;
3
4 public class Latihan04 {
5
6     public static void main(String[] args) {
7         int ttl;
8         System.out.println("=====");
9         System.out.println("\t TOKO SERBAGUNA IBIK");
10        System.out.println("=====");
11
12        Scanner jumlah = new Scanner(System.in);
13        System.out.print("Masukkan Jumlah Produk yang dibeli : ");
14
15        ttl = jumlah.nextInt();
16
17        System.out.println();
18        System.out.println("10 Sep 2022 (13:00)");
19        System.out.println("ITEM      " + "      Qty  "+"      Harga");
20        System.out.println("=====");
21        System.out.println("ROTI ENAK" + "      " +ttl + "      6300");
22        System.out.println("-----");
23
24        diskon(ttl);
25
26        jumlah.close();
27    }
28
29    static void diskon(int value) {
30
31        int harga = 6300;
32        int hargaAsli = value * harga;
33        int potongan, hargaDiskon;
34
35        if (value%3==0) {
```

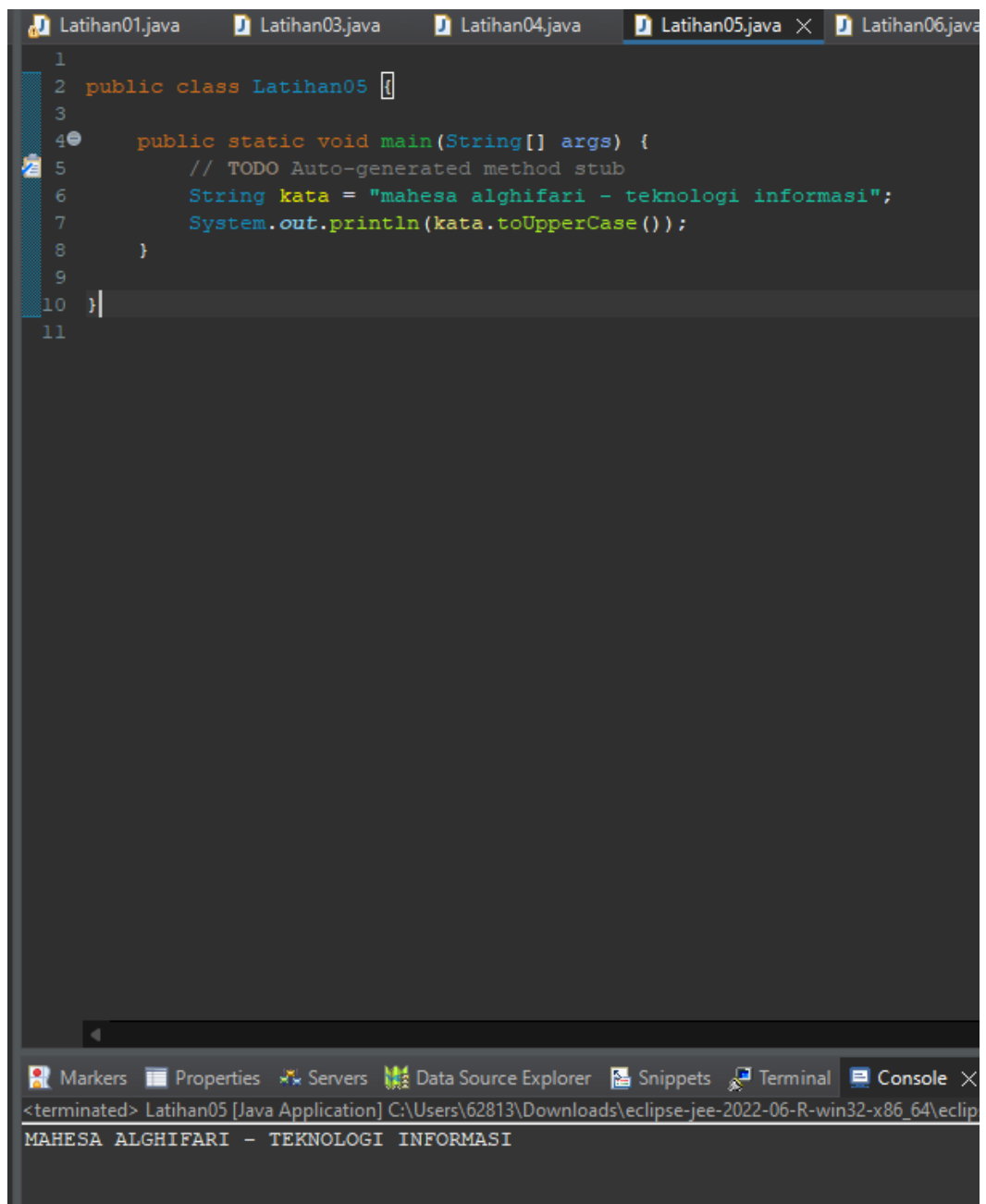
The bottom editor shows the console output of the program. It displays the program's header, the prompt for the quantity, the user input of 6, the date and time, a table of items, and the final calculation of the subtotal with a 5% discount.

```
<terminated> Latihan04 [Java Application] C:\Users\62813\Downloads\eclipse-jee-2022-06-R-win32-x86_64\eclipse\pl
=====
TOKO SERBAGUNA IBIK
=====
Masukkan Jumlah Produk yang dibeli : 6

10 Sep 2022 (13:00)
ITEM      Qty      Harga
=====
ROTI ENAK      6      6300
-----

Diskon = 5%
Sub Total = 35910
```

Hasil Program Latihan05

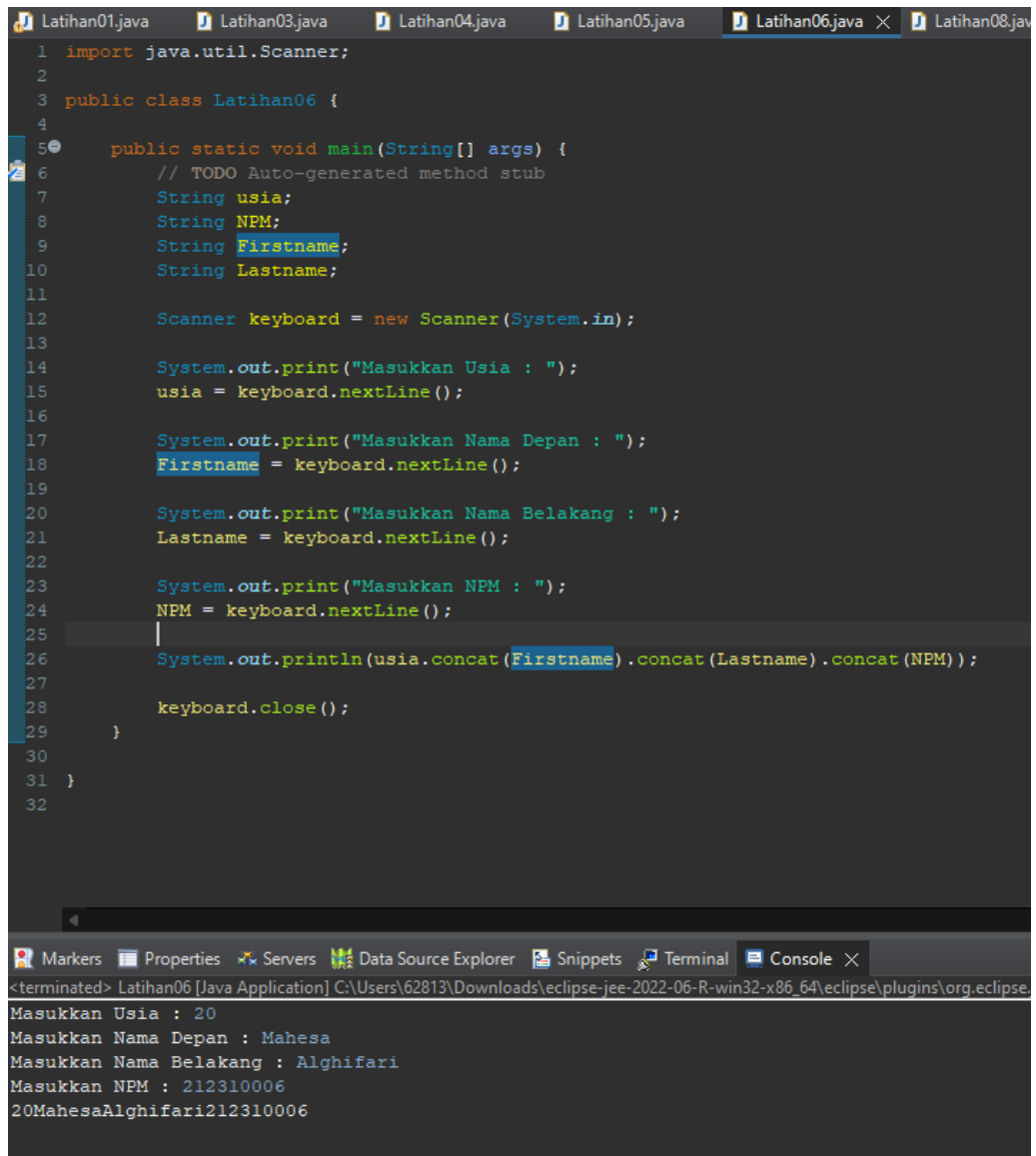


The screenshot shows the Eclipse IDE with a Java project. The editor displays the source code for `Latihan05.java`. The code defines a public class `Latihan05` with a `main` method. Inside the `main` method, a `String` variable `kata` is assigned the value `"mahesa alghifari - teknologi informasi"`, and then `System.out.println(kata.toUpperCase());` is executed. The bottom of the IDE shows the `Console` view with the output of the program.

```
1  
2 public class Latihan05 {  
3  
4     public static void main(String[] args) {  
5         // TODO Auto-generated method stub  
6         String kata = "mahesa alghifari - teknologi informasi";  
7         System.out.println(kata.toUpperCase());  
8     }  
9  
10 }  
11
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console X
<terminated> Latihan05 [Java Application] C:\Users\62813\Downloads\eclipse-jee-2022-06-R-win32-x86_64\ecli
MAHESA ALGHIFARI - TEKNOLOGI INFORMASI

Hasil Program Latihan06



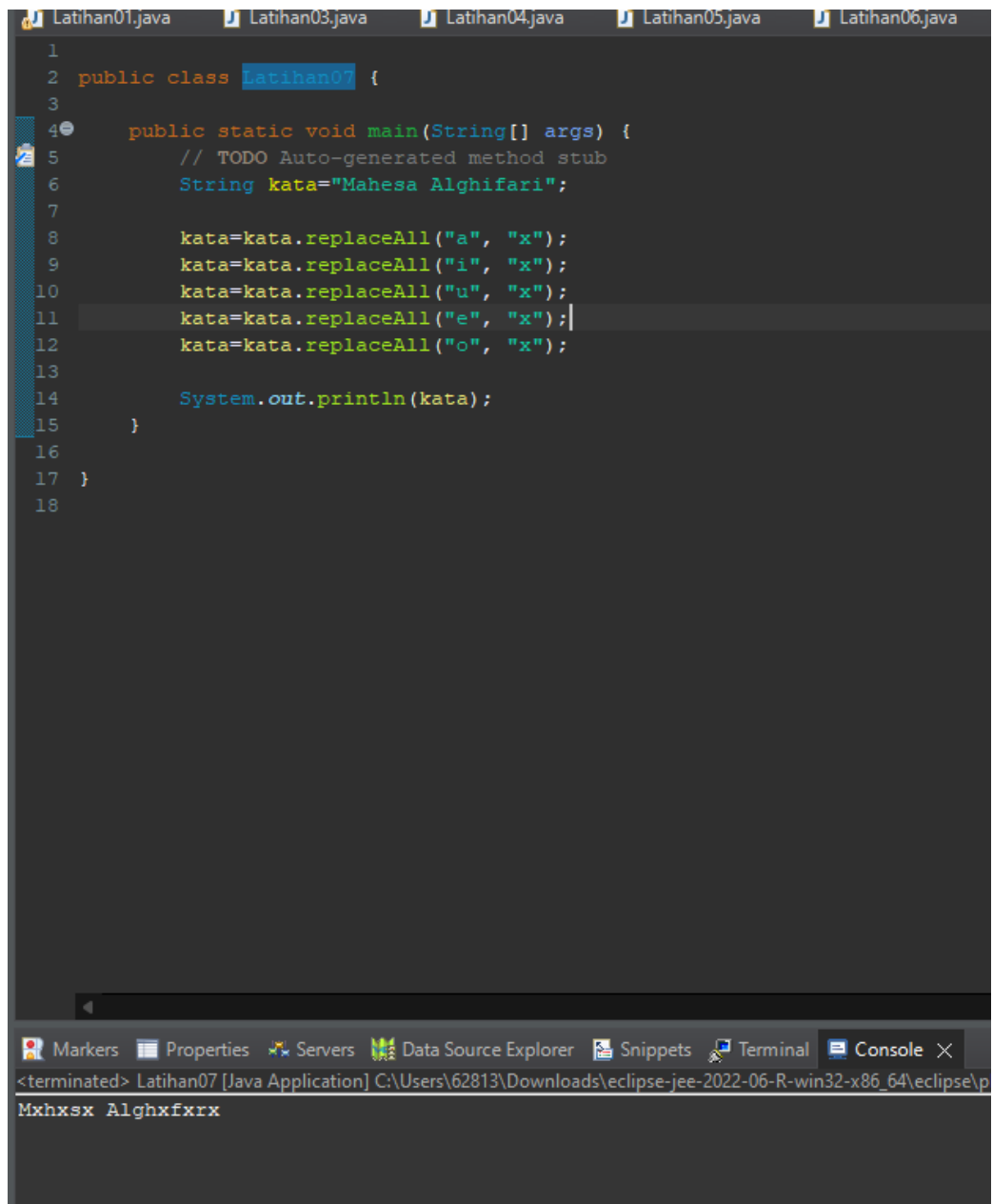
```
1 import java.util.Scanner;
2
3 public class Latihan06 {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         String usia;
8         String NPM;
9         String Firstname;
10        String Lastname;
11
12        Scanner keyboard = new Scanner(System.in);
13
14        System.out.print("Masukkan Usia : ");
15        usia = keyboard.nextLine();
16
17        System.out.print("Masukkan Nama Depan : ");
18        Firstname = keyboard.nextLine();
19
20        System.out.print("Masukkan Nama Belakang : ");
21        Lastname = keyboard.nextLine();
22
23        System.out.print("Masukkan NPM : ");
24        NPM = keyboard.nextLine();
25
26        System.out.println(usia.concat(Firstname).concat(Lastname).concat(NPM));
27
28        keyboard.close();
29    }
30
31 }
32
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console X

<terminated> Latihan06 [Java Application] C:\Users\62813\Downloads\eclipse-jee-2022-06-R-win32-x86_64\eclipse\plugins\org.eclipse

Masukkan Usia : 20
Masukkan Nama Depan : Mahesa
Masukkan Nama Belakang : Alghifari
Masukkan NPM : 212310006
20MahesaAlghifari212310006

Hasil Program Latihan07



The screenshot shows the Eclipse IDE with a Java project. The editor displays the source code for `Latihan07.java`. The code defines a `public class Latihan07` with a `main` method. Inside the `main` method, a `String` variable `kata` is initialized with the value `"Mahesa Alghifari"`. This string is then processed by a series of `replaceAll` calls, each replacing a vowel with an 'x': 'a' to 'x', 'i' to 'x', 'u' to 'x', 'e' to 'x', and 'o' to 'x'. Finally, the modified string is printed to the console using `System.out.println(kata);`. The IDE's interface includes a top toolbar with icons for Markers, Properties, Servers, Data Source Explorer, Snippets, Terminal, and Console. The bottom status bar shows the current file is `Latihan07 [Java Application]` and the console output is `Mxhxsx Alghxfrrx`.

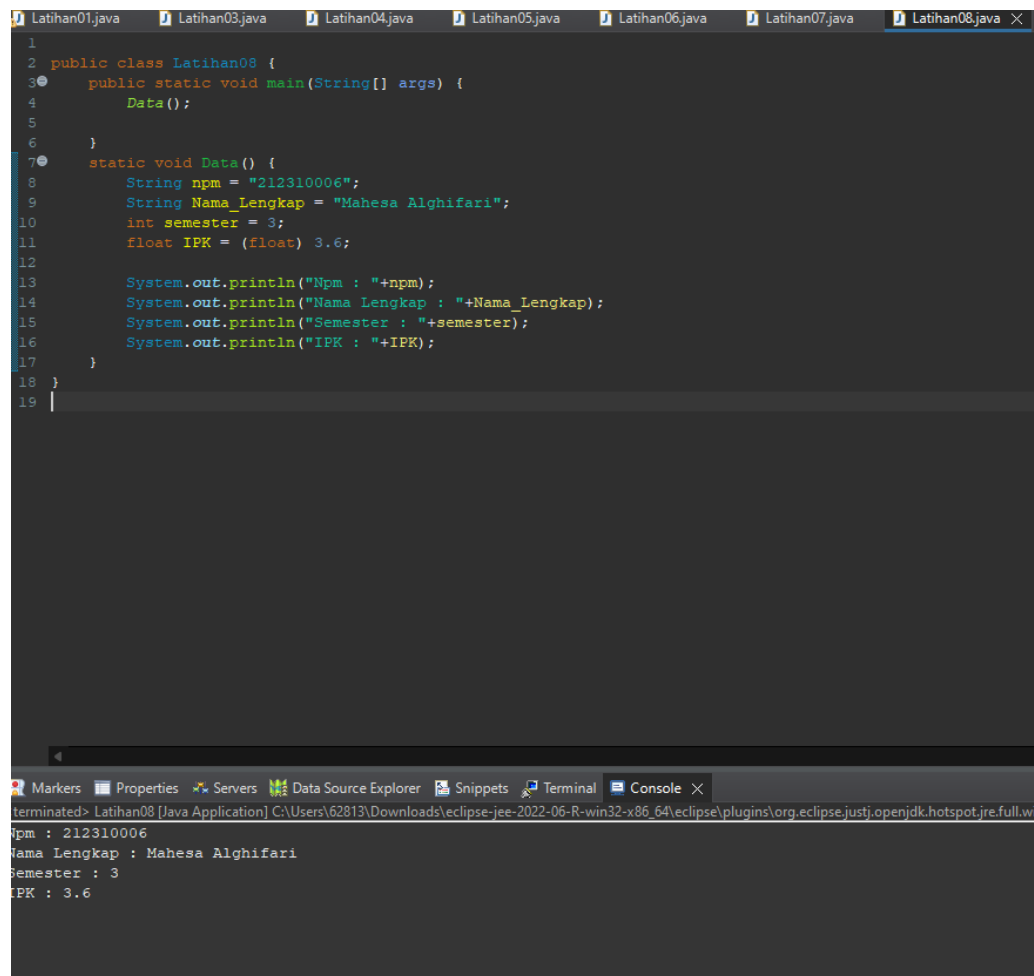
```
1
2 public class Latihan07 {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         String kata="Mahesa Alghifari";
7
8         kata=kata.replaceAll("a", "x");
9         kata=kata.replaceAll("i", "x");
10        kata=kata.replaceAll("u", "x");
11        kata=kata.replaceAll("e", "x");
12        kata=kata.replaceAll("o", "x");
13
14        System.out.println(kata);
15    }
16
17 }
18
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console X

<terminated> Latihan07 [Java Application] C:\Users\62813\Downloads\eclipse-jee-2022-06-R-win32-x86_64\eclipse\p

Mxhxsx Alghxfrrx

Hasil Program Latihan08



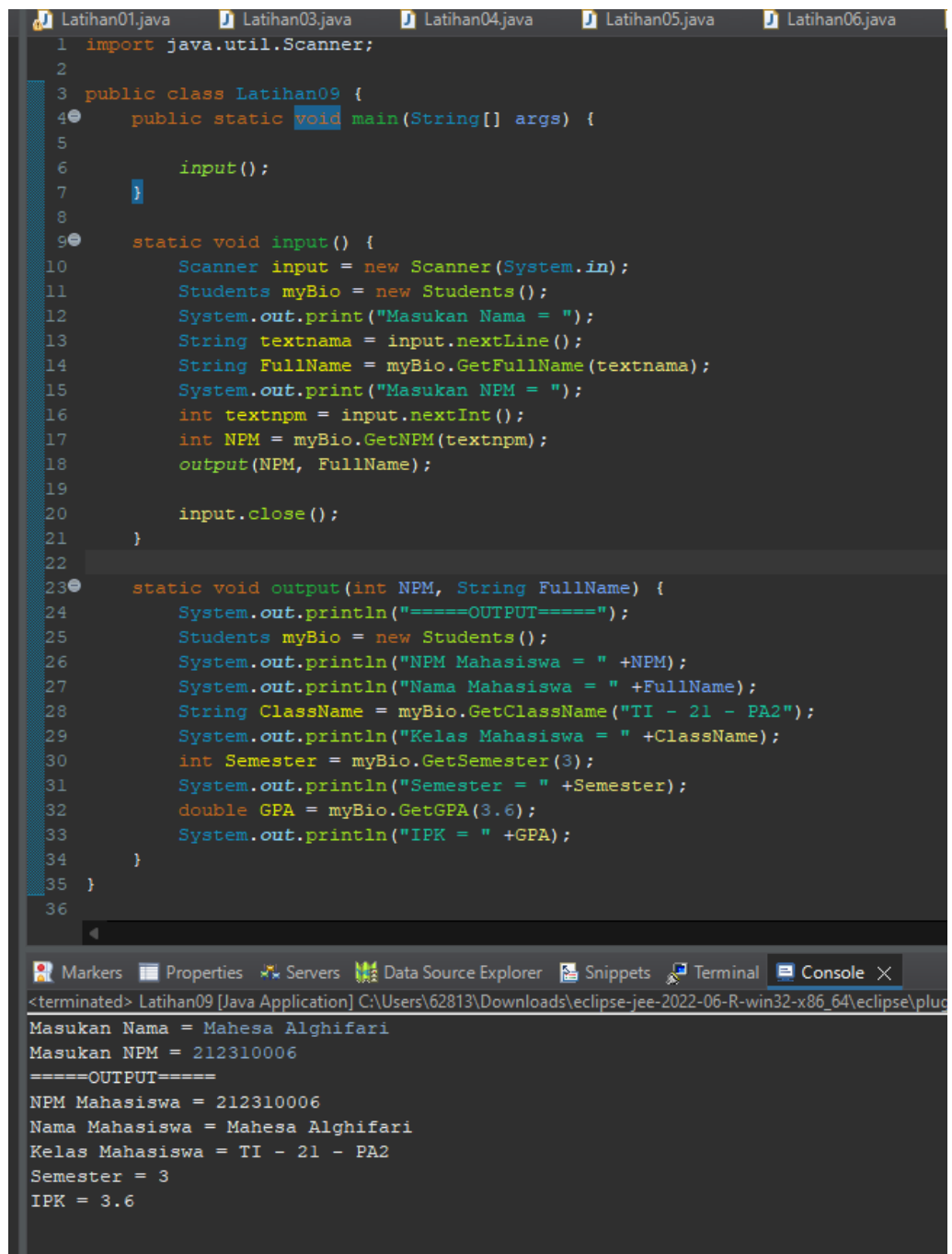
The screenshot displays the Eclipse IDE interface. The top part shows a series of tabs for various Java files, with 'Latihan08.java' currently selected. The editor window contains the following Java code:

```
1
2 public class Latihan08 {
3     public static void main(String[] args) {
4         Data();
5     }
6 }
7 static void Data() {
8     String npm = "212310006";
9     String Nama_Lengkap = "Mahesa Alghifari";
10    int semester = 3;
11    float IPK = (float) 3.6;
12
13    System.out.println("Npm : "+npm);
14    System.out.println("Nama Lengkap : "+Nama_Lengkap);
15    System.out.println("Semester : "+semester);
16    System.out.println("IPK : "+IPK);
17 }
18 }
19
```

The bottom part of the IDE shows the 'Console' view, which contains the output of the program:

```
terminated> Latihan08 [Java Application] C:\Users\62813\Downloads\eclipse-jee-2022-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.w
npm : 212310006
Nama Lengkap : Mahesa Alghifari
Semester : 3
IPK : 3.6
```

Hasil Program Latihan09



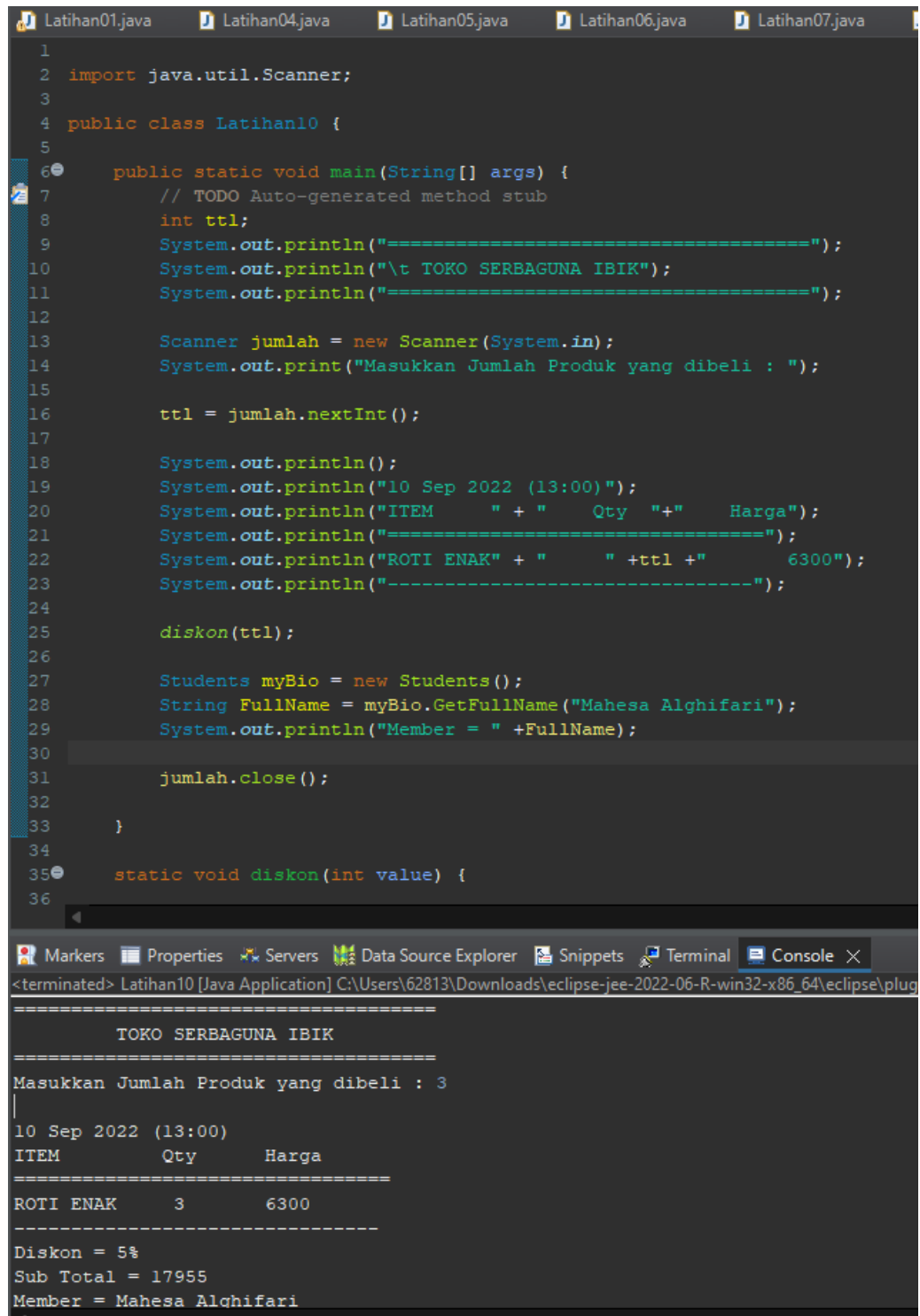
The screenshot displays the Eclipse IDE with a Java project. The top toolbar shows several files: Latihan01.java, Latihan03.java, Latihan04.java, Latihan05.java, and Latihan06.java. The main editor window shows the source code for Latihan09.java. The code imports java.util.Scanner and defines a public class Latihan09 with a main method and two static methods: input() and output(). The input() method uses a Scanner to read a name and an NPM from the user. The output() method uses a Students object to retrieve and print various attributes like NPM, Name, Class Name, Semester, and GPA. The console window at the bottom shows the execution of the program, displaying the prompts and the user's input, followed by the formatted output.

```
1 import java.util.Scanner;
2
3 public class Latihan09 {
4     public static void main(String[] args) {
5
6         input();
7     }
8
9     static void input() {
10         Scanner input = new Scanner(System.in);
11         Students myBio = new Students();
12         System.out.print("Masukan Nama = ");
13         String textnama = input.nextLine();
14         String FullName = myBio.GetFullName(textnama);
15         System.out.print("Masukan NPM = ");
16         int textnpm = input.nextInt();
17         int NPM = myBio.GetNPM(textnpm);
18         output(NPM, FullName);
19
20         input.close();
21     }
22
23     static void output(int NPM, String FullName) {
24         System.out.println("====OUTPUT====");
25         Students myBio = new Students();
26         System.out.println("NPM Mahasiswa = " +NPM);
27         System.out.println("Nama Mahasiswa = " +FullName);
28         String ClassName = myBio.GetClassName("TI - 21 - PA2");
29         System.out.println("Kelas Mahasiswa = " +ClassName);
30         int Semester = myBio.GetSemester(3);
31         System.out.println("Semester = " +Semester);
32         double GPA = myBio.GetGPA(3.6);
33         System.out.println("IPK = " +GPA);
34     }
35 }
36
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console X

<terminated> Latihan09 [Java Application] C:\Users\62813\Downloads\eclipse-jee-2022-06-R-win32-x86_64\eclipse\plug
Masukan Nama = Mahesa Alghifari
Masukan NPM = 212310006
====OUTPUT====
NPM Mahasiswa = 212310006
Nama Mahasiswa = Mahesa Alghifari
Kelas Mahasiswa = TI - 21 - PA2
Semester = 3
IPK = 3.6

Hasil Program Latihan10



The screenshot displays the Eclipse IDE with a Java project. The editor shows the source code for `Latihan10.java`. The code imports `java.util.Scanner` and defines a `main` method. It uses a `Scanner` to read an integer value (3) and prints a receipt for 'TOKO SERBAGUNA IBIK'. The receipt includes the date and time, item name, quantity, and price. It also calculates a 5% discount and the sub-total. A `diskon` method is defined to calculate the discount.

```
1
2 import java.util.Scanner;
3
4 public class Latihan10 {
5
6     public static void main(String[] args) {
7         // TODO Auto-generated method stub
8         int ttl;
9         System.out.println("=====");
10        System.out.println("\t TOKO SERBAGUNA IBIK");
11        System.out.println("=====");
12
13        Scanner jumlah = new Scanner(System.in);
14        System.out.print("Masukkan Jumlah Produk yang dibeli : ");
15
16        ttl = jumlah.nextInt();
17
18        System.out.println();
19        System.out.println("10 Sep 2022 (13:00)");
20        System.out.println("ITEM      " + "      Qty  "+"      Harga");
21        System.out.println("=====");
22        System.out.println("ROTI ENAK" + "      " +ttl + "      6300");
23        System.out.println("-----");
24
25        diskon(ttl);
26
27        Students myBio = new Students();
28        String FullName = myBio.GetFullName("Mahesa Alghifari");
29        System.out.println("Member = " +FullName);
30
31        jumlah.close();
32
33    }
34
35    static void diskon(int value) {
36
```

The console output shows the program's execution. It prompts the user to enter the quantity of products, which is 3. It then displays a receipt for 'TOKO SERBAGUNA IBIK' with the date and time '10 Sep 2022 (13:00)'. The receipt lists the item 'ROTI ENAK' with a quantity of 3 and a price of 6300. It also shows a 5% discount and a sub-total of 17955. The member name is 'Mahesa Alghifari'.

```
<terminated> Latihan10 [Java Application] C:\Users\62813\Downloads\eclipse-jee-2022-06-R-win32-x86_64\eclipse\plug
=====
TOKO SERBAGUNA IBIK
=====
Masukkan Jumlah Produk yang dibeli : 3
|
10 Sep 2022 (13:00)
ITEM      Qty      Harga
=====
ROTI ENAK      3      6300
-----
Diskon = 5%
Sub Total = 17955
Member = Mahesa Alghifari
```