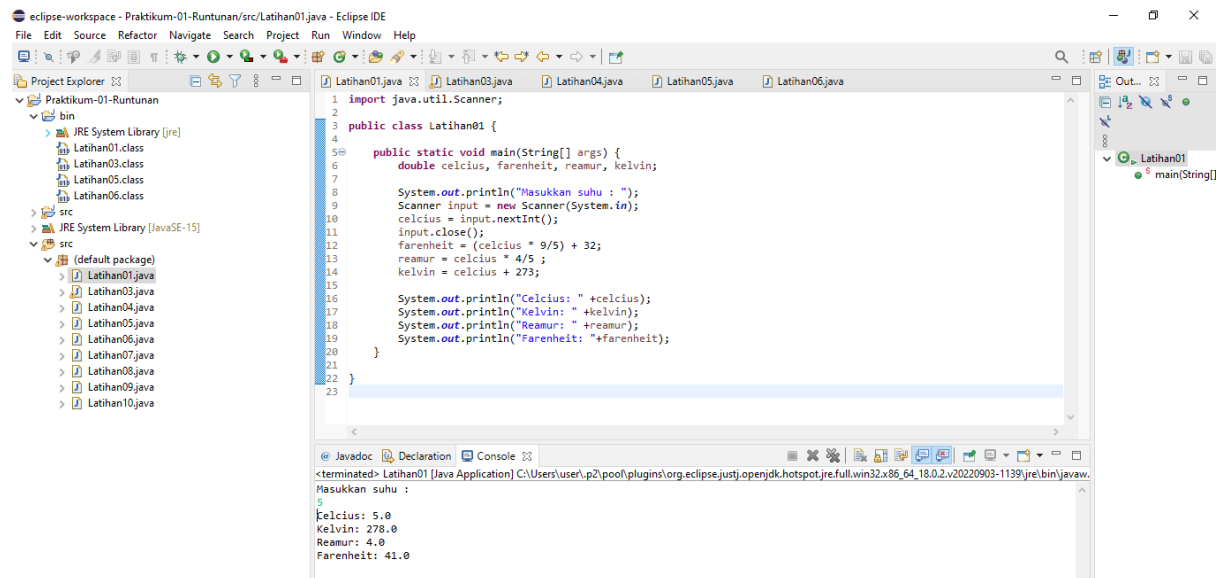


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Latihan01



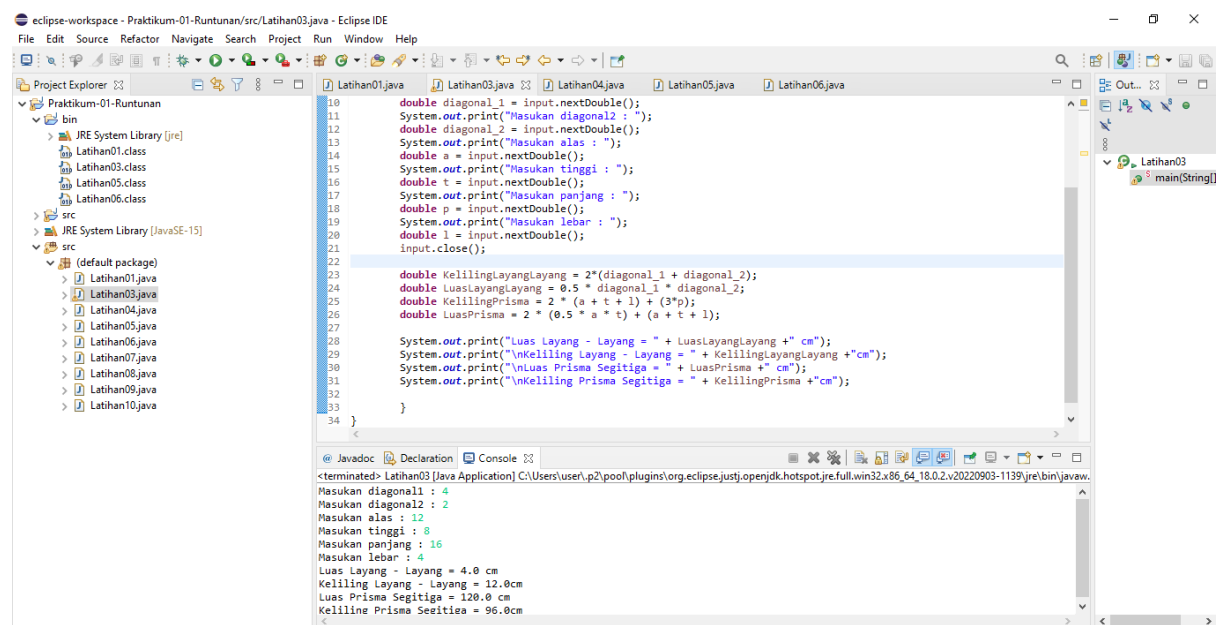
The screenshot shows the Eclipse IDE with the file `Latihan01.java` open. The code is as follows:

```
1 import java.util.Scanner;
2
3
4 public class Latihan01 {
5
6     public static void main(String[] args) {
7         double celcius, fahrenheit, reamur, kelvin;
8
9         System.out.println("Masukkan suhu : ");
10        Scanner input = new Scanner(System.in);
11        celcius = input.nextInt();
12        input.close();
13        fahrenheit = (celcius * 9/5) + 32;
14        reamur = celcius * 4/5;
15        kelvin = celcius + 273;
16
17        System.out.println("Celcius: " + celcius);
18        System.out.println("Kelvin: " + kelvin);
19        System.out.println("Reamur: " + reamur);
20        System.out.println("Fahrenheit: " + fahrenheit);
21    }
22 }
23
```

The console output shows the results of the program execution:

```
<terminated> Latihan01 [Java Application] C:\Users\user\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.
Masukkan suhu :
5
Celcius: 5.0
Kelvin: 278.0
Reamur: 4.0
Fahrenheit: 41.0
```

Latihan03



The screenshot shows the Eclipse IDE with the file `Latihan03.java` open. The code is as follows:

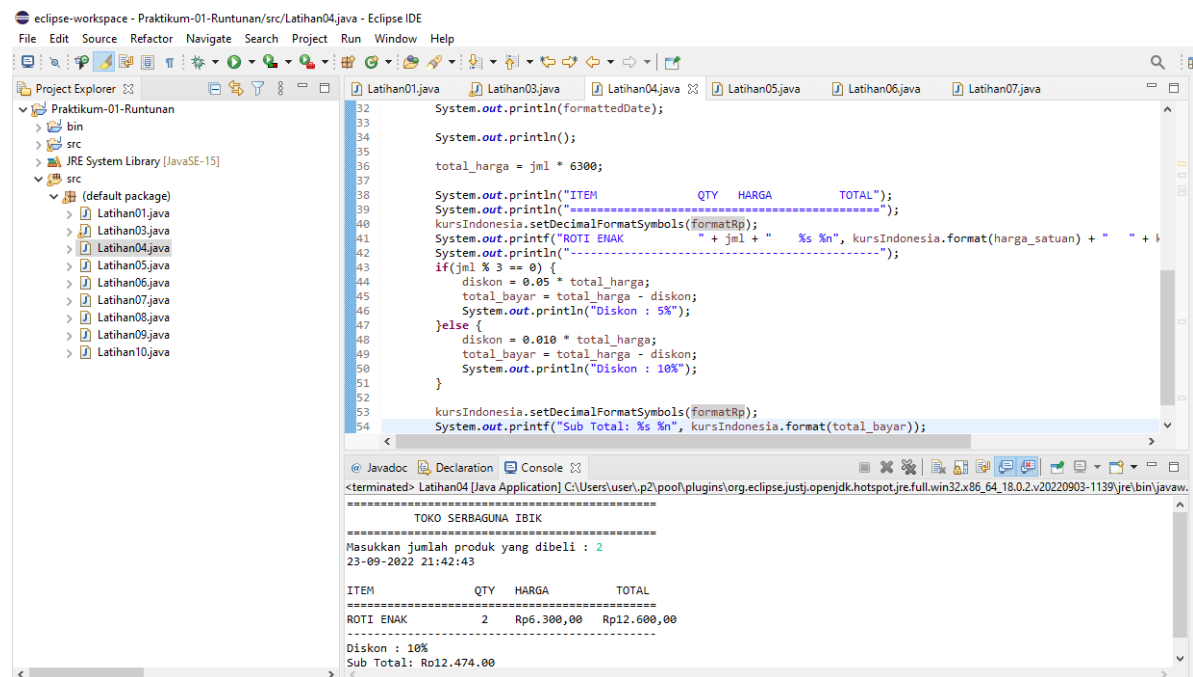
```
10 double diagonal_1 = input.nextDouble();
11 System.out.print("Masukan diagonal2 : ");
12 double diagonal_2 = input.nextDouble();
13 System.out.print("Masukan alas : ");
14 double a = input.nextDouble();
15 System.out.print("Masukan tinggi : ");
16 double t = input.nextDouble();
17 System.out.print("Masukan panjang : ");
18 double p = input.nextDouble();
19 System.out.print("Masukan lebar : ");
20 double l = input.nextDouble();
21 input.close();
22
23 double KelilingLayangLayang = 2*(diagonal_1 + diagonal_2);
24 double LuasLayangLayang = 0.5 * diagonal_1 * diagonal_2;
25 double KelilingPrisma = 2 * (a + t + l) + (3*p);
26 double LuasPrisma = 2 * (0.5 * a * t) + (a + t + l);
27
28 System.out.print("Luas Layang - Layang = " + LuasLayangLayang + " cm");
29 System.out.print("\nKeliling Layang - Layang = " + KelilingLayangLayang + " cm");
30 System.out.print("\nLuas Prisma Segitiga = " + LuasPrisma + " cm");
31 System.out.print("\nKeliling Prisma Segitiga = " + KelilingPrisma + " cm");
32
33 }
34
```

The console output shows the results of the program execution:

```
<terminated> Latihan03 [Java Application] C:\Users\user\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.
Masukan diagonal1 : 4
Masukan diagonal2 : 2
Masukan alas : 12
Masukan tinggi : 8
Masukan panjang : 16
Masukan lebar : 4
Luas Layang - Layang = 4.0 cm
Keliling Layang - Layang = 12.0cm
Luas Prisma Segitiga = 120.0 cm
Keliling Prisma Segitiga = 96.0cm
```

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Latihan04



The screenshot shows the Eclipse IDE with the file `Latihan04.java` open. The code calculates the total price of items with a discount. The console output shows the results of the program execution.

```
System.out.println(formattedDate);
System.out.println();

total_harga = jml * 6300;

System.out.println("ITEM          QTY    HARGA          TOTAL");
System.out.println("=====");
kursIndonesia.setDecimalFormatSymbols(FormatRp);
System.out.printf("ROTI ENAK          " + jml + "    %s %n", kursIndonesia.format(harga_satuan) + "    " + jml);
System.out.println("-----");
if(jml % 3 == 0) {
    diskon = 0.05 * total_harga;
    total_bayar = total_harga - diskon;
    System.out.println("Diskon : 5%");
} else {
    diskon = 0.010 * total_harga;
    total_bayar = total_harga - diskon;
    System.out.println("Diskon : 10%");
}

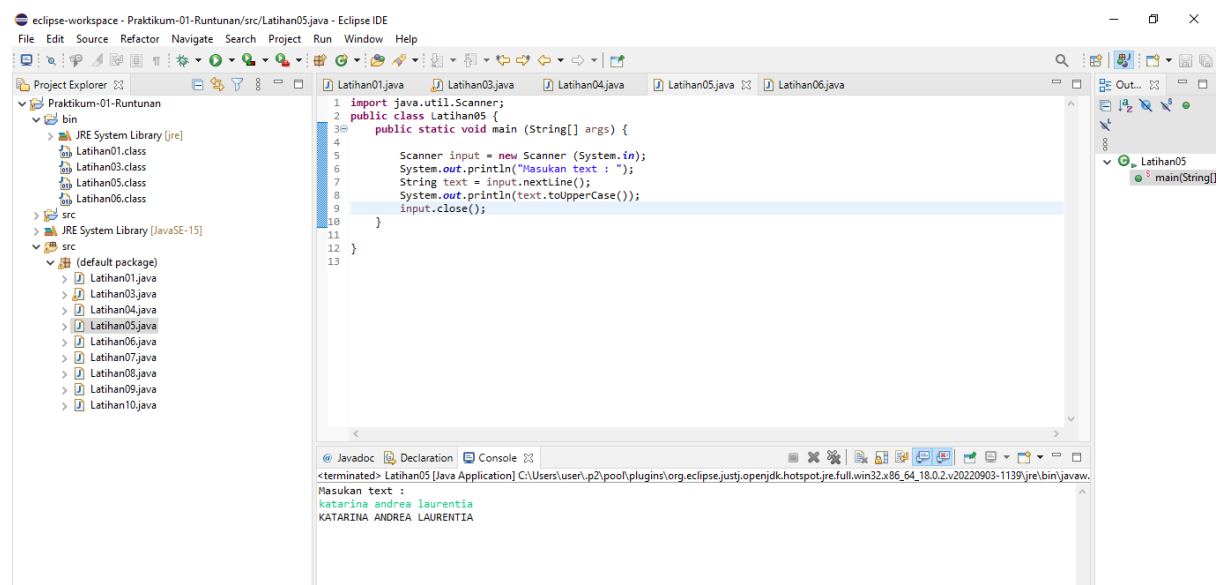
kursIndonesia.setDecimalFormatSymbols(FormatRp);
System.out.printf("Sub Total: %s %n", kursIndonesia.format(total_bayar));
```

Console Output:

```
<terminated> Latihan04 [Java Application] C:\Users\user\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.
=====
TOKO SERBAGUNA IBIK
=====
Masukkan jumlah produk yang dibeli : 2
23-09-2022 21:42:43

ITEM          QTY    HARGA          TOTAL
=====
ROTI ENAK          2    Rp6.300,00    Rp12.600,00
-----
Diskon : 10%
Sub Total: Rp12.474,00
```

Latihan05



The screenshot shows the Eclipse IDE with the file `Latihan05.java` open. The code uses a Scanner to read user input and prints it in uppercase. The console output shows the user input and the program's response.

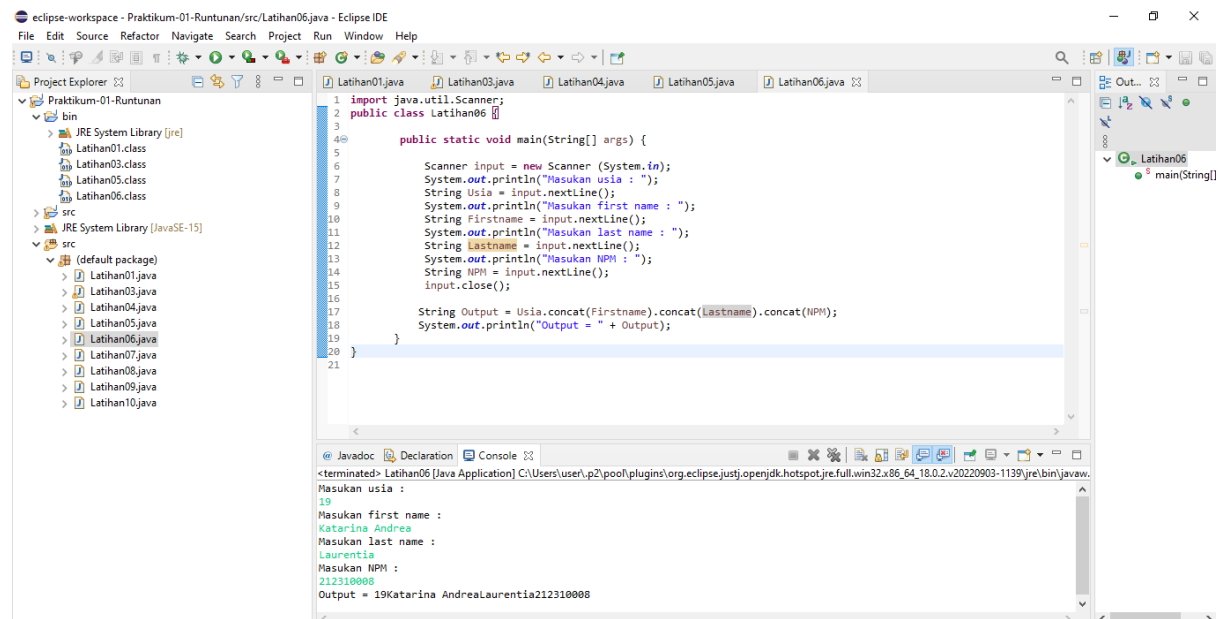
```
import java.util.Scanner;
public class Latihan05 {
    public static void main (String[] args) {
        Scanner input = new Scanner (System.in);
        System.out.println("Masukan text : ");
        String text = input.nextLine();
        System.out.println(text.toUpperCase());
        input.close();
    }
}
```

Console Output:

```
<terminated> Latihan05 [Java Application] C:\Users\user\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.
Masukan text :
katarina andrea laurentia
KATARINA ANDREA LAURENTIA
```

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Latihan06



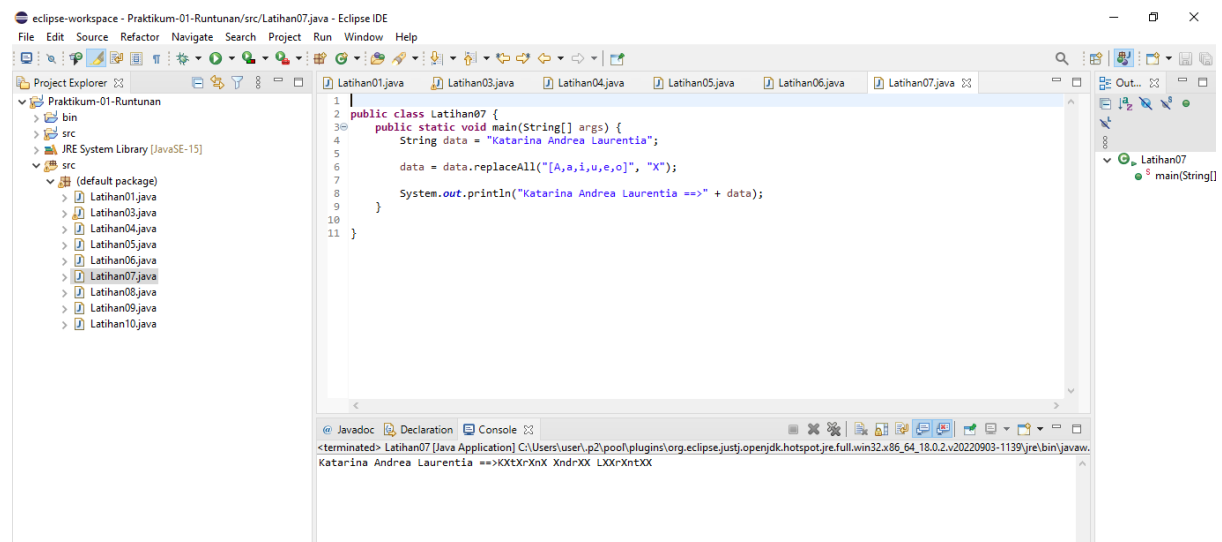
The screenshot shows the Eclipse IDE with the file `Latihan06.java` open. The code is as follows:

```
1 import java.util.Scanner;
2 public class Latihan06 {
3
4     public static void main(String[] args) {
5
6         Scanner input = new Scanner(System.in);
7         System.out.println("Masukan usia : ");
8         String Usia = input.nextLine();
9         System.out.println("Masukan first name : ");
10        String Firstname = input.nextLine();
11        System.out.println("Masukan last name : ");
12        String Lastname = input.nextLine();
13        System.out.println("Masukan NPM : ");
14        String NPM = input.nextLine();
15        input.close();
16
17        String Output = Usia.concat(Firstname).concat(Lastname).concat(NPM);
18        System.out.println("Output = " + Output);
19    }
20 }
21
```

The console output shows the program execution:

```
<terminated> Latihan06 [Java Application] C:\Users\user\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.
Masukan usia :
19
Masukan first name :
Katarina Andrea
Masukan last name :
Laurentia
Masukan NPM :
212310008
Output = 19Katarina AndreaLaurentia212310008
```

Latihan07



The screenshot shows the Eclipse IDE with the file `Latihan07.java` open. The code is as follows:

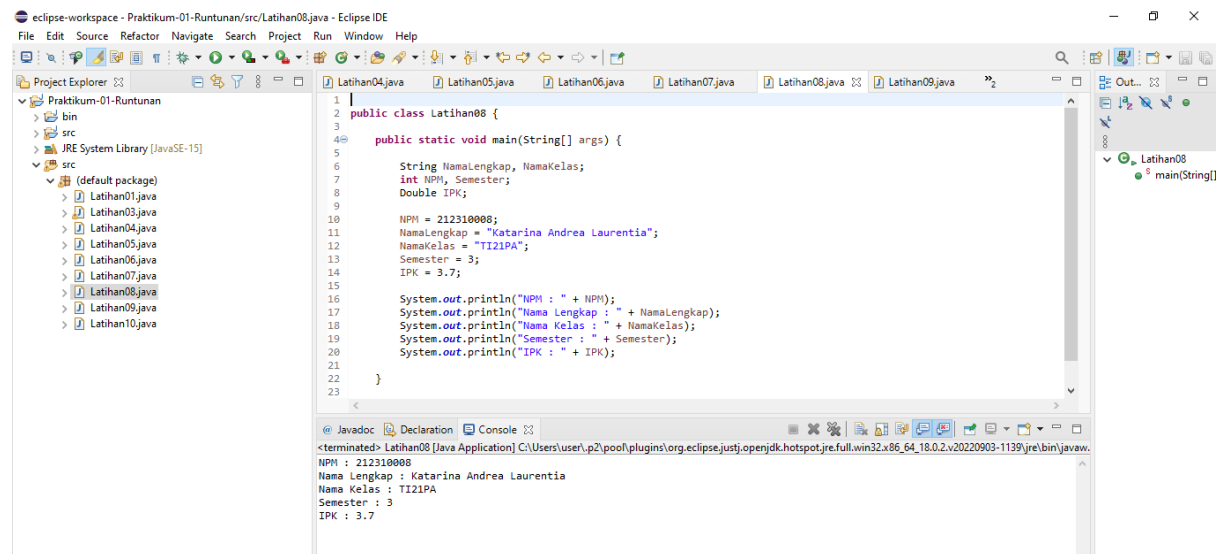
```
1
2 public class Latihan07 {
3     public static void main(String[] args) {
4         String data = "Katarina Andrea Laurentia";
5
6         data = data.replaceAll("[A,a,i,u,e,o]", "X");
7
8         System.out.println("Katarina Andrea Laurentia ==>" + data);
9     }
10 }
11
```

The console output shows the program execution:

```
<terminated> Latihan07 [Java Application] C:\Users\user\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.
Katarina Andrea Laurentia ==>XXtXrXnX XndrXX LXXrXntXX
```

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Latihan08

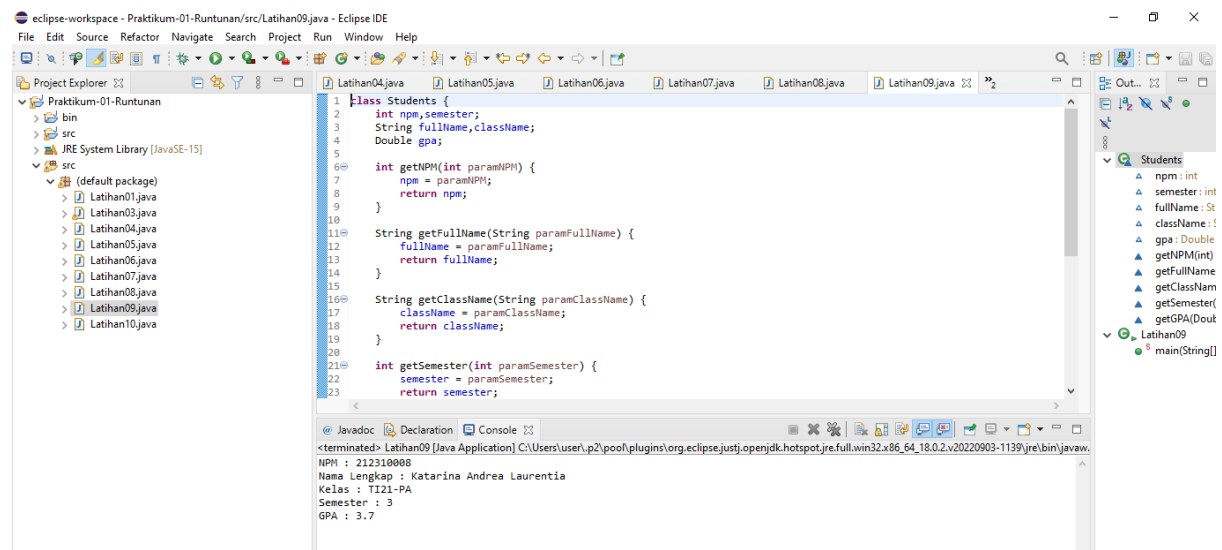


```
1 public class Latihan08 {
2
3
4     public static void main(String[] args) {
5
6         String NamaLengkap, NamaKelas;
7         int NPM, Semester;
8         Double IPK;
9
10        NPM = 212310008;
11        NamaLengkap = "Katarina Andrea Laurentia";
12        NamaKelas = "TI21PA";
13        Semester = 3;
14        IPK = 3.7;
15
16        System.out.println("NPM : " + NPM);
17        System.out.println("Nama Lengkap : " + NamaLengkap);
18        System.out.println("Nama Kelas : " + NamaKelas);
19        System.out.println("Semester : " + Semester);
20        System.out.println("IPK : " + IPK);
21
22    }
23 }
```

Console Output:

```
<terminated> Latihan08 [Java Application] C:\Users\user\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.
NPM : 212310008
Nama Lengkap : Katarina Andrea Laurentia
Nama Kelas : TI21PA
Semester : 3
IPK : 3.7
```

Latihan09



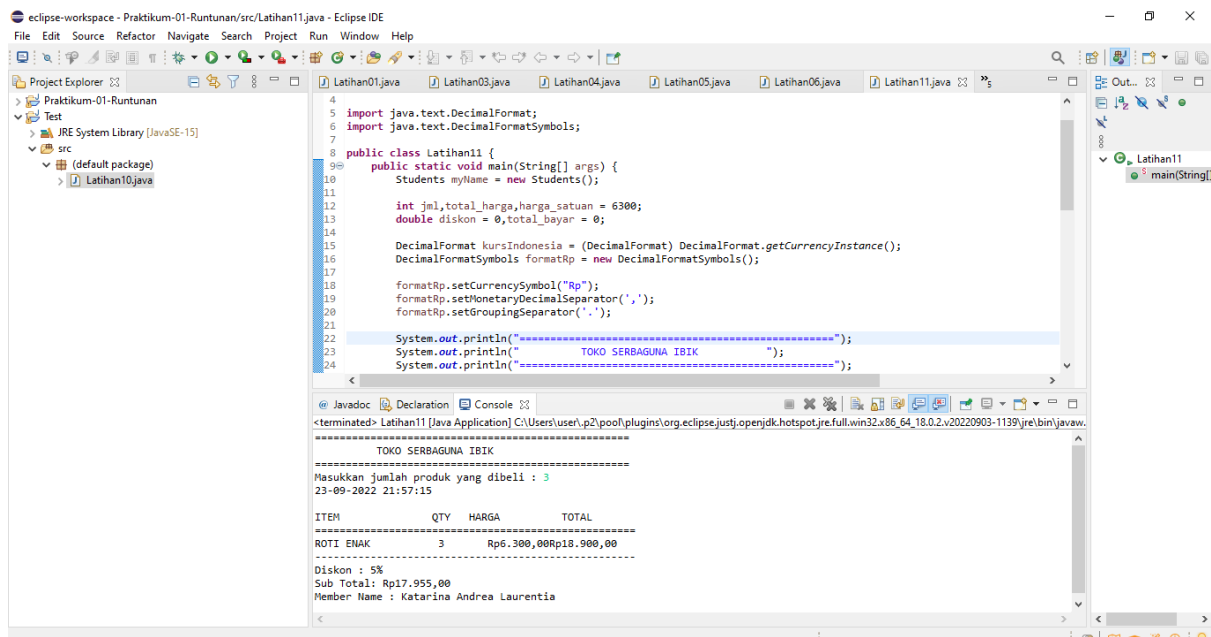
```
1 class Students {
2     int npm, semester;
3     String fullName, className;
4     Double gpa;
5
6     int getNPM(int paramNPM) {
7         npm = paramNPM;
8         return npm;
9     }
10
11    String getFullName(String paramFullName) {
12        fullName = paramFullName;
13        return fullName;
14    }
15
16    String getClassName(String paramClassName) {
17        className = paramClassName;
18        return className;
19    }
20
21    int getSemester(int paramSemester) {
22        semester = paramSemester;
23        return semester;
24    }
25 }
```

Console Output:

```
<terminated> Latihan09 [Java Application] C:\Users\user\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.
NPM : 212310008
Nama Lengkap : Katarina Andrea Laurentia
Kelas : TI21-PA
Semester : 3
GPA : 3.7
```

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Latihan10



```
eclipse-workspace - Praktikum-01-Runtunan/src/Latihan11.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer
  Praktikum-01-Runtunan
    Test
      JRE System Library [JavaSE-15]
      src
        (default package)
          Latihan10.java

Latihan01.java Latihan03.java Latihan04.java Latihan05.java Latihan06.java Latihan11.java
4
5 import java.text.DecimalFormat;
6 import java.text.DecimalFormatSymbols;
7
8 public class Latihan11 {
9     public static void main(String[] args) {
10         Students myName = new Students();
11
12         int jml,total_harga,harga_satuan = 6300;
13         double diskon = 0,total_bayar = 0;
14
15         DecimalFormat kursIndonesia = (DecimalFormat) DecimalFormat.getCurrencyInstance();
16         DecimalFormatSymbols formatRp = new DecimalFormatSymbols();
17
18         formatRp.setCurrencySymbol("Rp");
19         formatRp.setMonetaryDecimalSeparator(',');
20         formatRp.setGroupingSeparator('.');
21
22         System.out.println("=====");
23         System.out.println("          TOKO SERBAGUNA IBIK");
24         System.out.println("=====");
25
26         <terminated> Latihan11 [Java Application] C:\Users\user\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.
=====
TOKO SERBAGUNA IBIK
=====
Masukkan jumlah produk yang dibeli : 3
23-09-2022 21:57:15

ITEN          QTY    HARGA      TOTAL
=====
ROTI ENAK      3      Rp6.300,00Rp18.900,00
=====
Diskon : 5%
Sub Total: Rp17.955,00
Member Name : Katarina Andrea Laurentia
```