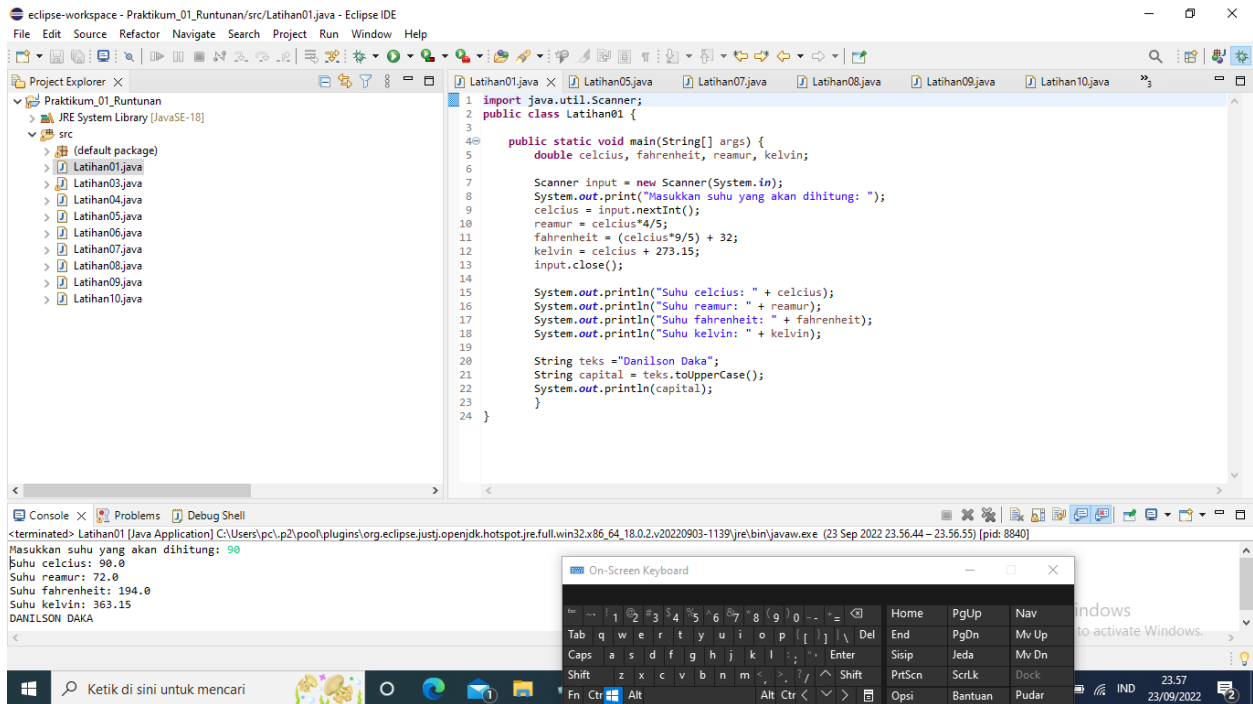


Nama : Danilson

Npm : 212310038

1.

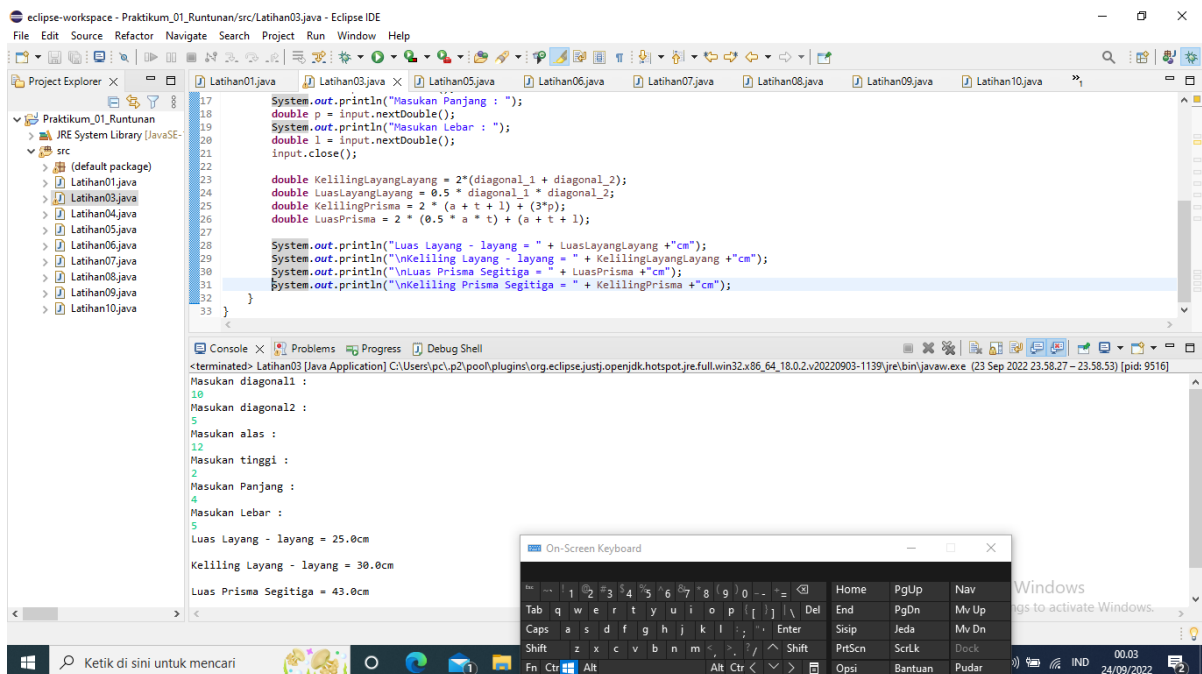


```
1 import java.util.Scanner;
2 public class Latihan01 {
3
4     public static void main(String[] args) {
5         double celcius, fahrenheit, reamur, kelvin;
6
7         Scanner input = new Scanner(System.in);
8         System.out.println("Masukkan suhu yang akan dihitung: ");
9         celcius = input.nextInt();
10        reamur = celcius*4/5;
11        fahrenheit = (celcius*9/5) + 32;
12        kelvin = celcius + 273.15;
13        input.close();
14
15        System.out.println("Suhu celcius: " + celcius);
16        System.out.println("Suhu reamur: " + reamur);
17        System.out.println("Suhu fahrenheit: " + fahrenheit);
18        System.out.println("Suhu kelvin: " + kelvin);
19
20        String teks = "Danilson Daka";
21        String capital = teks.toUpperCase();
22        System.out.println(capital);
23    }
24 }
```

Console Output:

```
<terminated> Latihan01 [Java Application] C:\Users\p\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.18.0.2.v20220903-1139\jre\bin\javaw.exe (23 Sep 2022 23:56:44 - 23:56:55) [pid: 8840]
Masukkan suhu yang akan dihitung: 90
Suhu celcius: 90.0
Suhu reamur: 72.0
Suhu fahrenheit: 194.0
Suhu kelvin: 363.15
DANILSON DAKA
```

3.

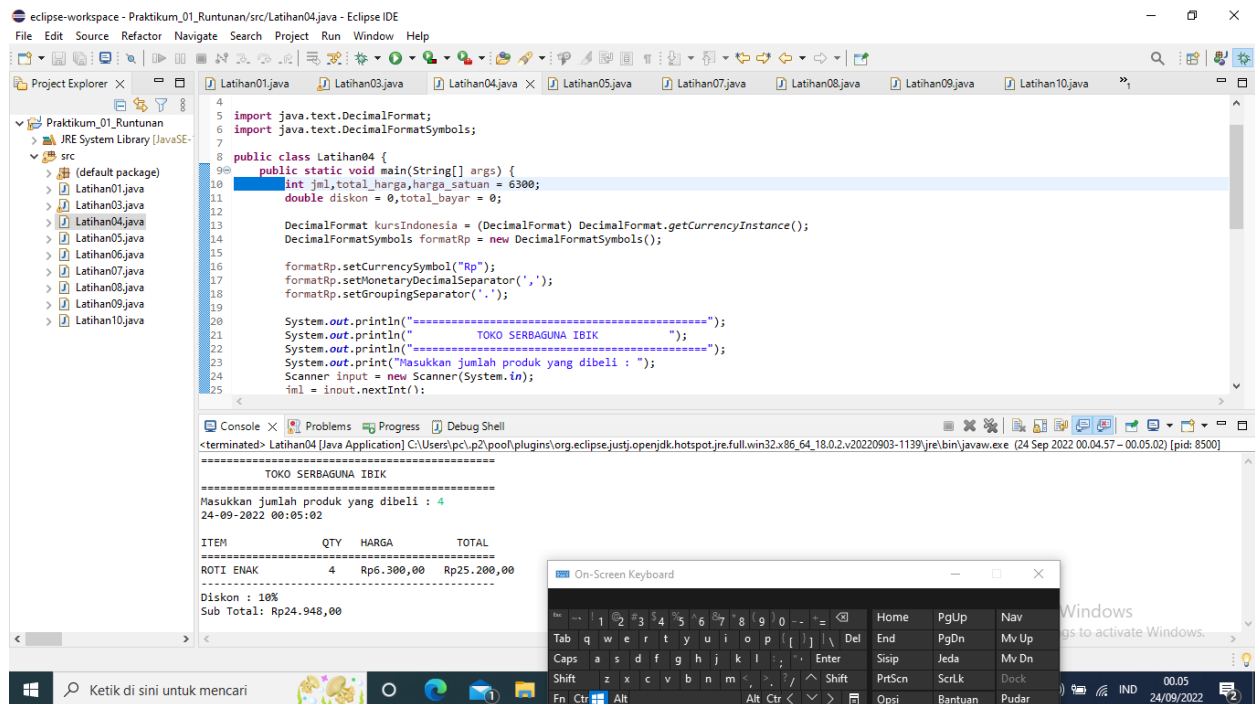


```
17 System.out.println("Masukan Panjang : ");
18 double p = input.nextDouble();
19 System.out.println("Masukan Lebar : ");
20 double l = input.nextDouble();
21 input.close();
22
23 double KelilingLayangLayang = 2*(diagonal_1 + diagonal_2);
24 double LuasLayangLayang = 0.5 * diagonal_1 * diagonal_2;
25 double KelilingPrisma = 2 * (a + t + l) + (3*p);
26 double LuasPrisma = 2 * (0.5 * a * t) + (a + t + l);
27
28 System.out.println("Luas Layang - layang = " + LuasLayangLayang + "cm");
29 System.out.println("Keliling Layang - layang = " + KelilingLayangLayang + "cm");
30 System.out.println("Luas Prisma Segitiga = " + LuasPrisma + "cm");
31 System.out.println("Keliling Prisma Segitiga = " + KelilingPrisma + "cm");
32
33 }
```

Console Output:

```
<terminated> Latihan03 [Java Application] C:\Users\p\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.18.0.2.v20220903-1139\jre\bin\javaw.exe (23 Sep 2022 23:58:27 - 23:58:53) [pid: 9516]
Masukan diagonal1 :
10
Masukan diagonal2 :
5
Masukan alas :
12
Masukan tinggi :
2
Masukan Panjang :
4
Masukan Lebar :
5
Luas Layang - layang = 25.0cm
Keliling Layang - layang = 30.0cm
Luas Prisma Segitiga = 43.0cm
```

4.



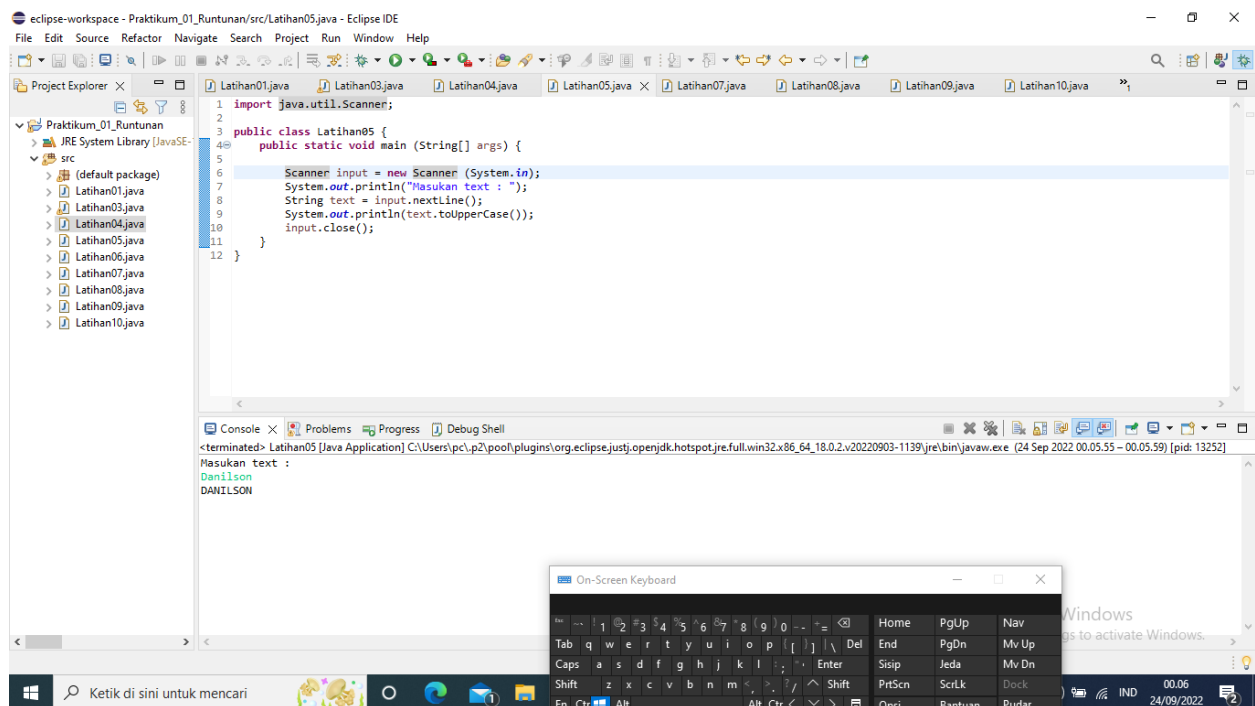
```
4
5 import java.text.DecimalFormat;
6 import java.text.DecimalFormatSymbols;
7
8 public class Latihan04 {
9     public static void main(String[] args) {
10         int jml, total_harga, harga_satuan = 6300;
11         double diskon = 0, total_bayar = 0;
12
13         DecimalFormat kursIndonesia = (DecimalFormat) DecimalFormat.getCurrencyInstance();
14         DecimalFormatSymbols formatRp = new DecimalFormatSymbols();
15
16         formatRp.setCurrencySymbol("Rp");
17         formatRp.setMonetaryDecimalSeparator(",");
18         formatRp.setGroupingSeparator(".");
19
20         System.out.println("=====");
21         System.out.println("          TOKO SERBAGUNA IBIK          ");
22         System.out.println("=====");
23         System.out.print("Masukkan jumlah produk yang dibeli : ");
24         Scanner input = new Scanner(System.in);
25         jml = input.nextInt();
26     }
27 }
```

Console Output:

```
<terminated> Latihan04 [Java Application] C:\Users\pc\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.exe (24 Sep 2022 00.04.57 - 00.05.02) [pid: 8500]
=====
          TOKO SERBAGUNA IBIK
=====
Masukkan jumlah produk yang dibeli : 4
24-09-2022 00:05:02

ITEM          QTY  HARGA          TOTAL
-----
ROTI ENAK          4    Rp6.300,00    Rp25.200,00
-----
Diskon : 10%
Sub Total: Rp24.948,00
```

5.

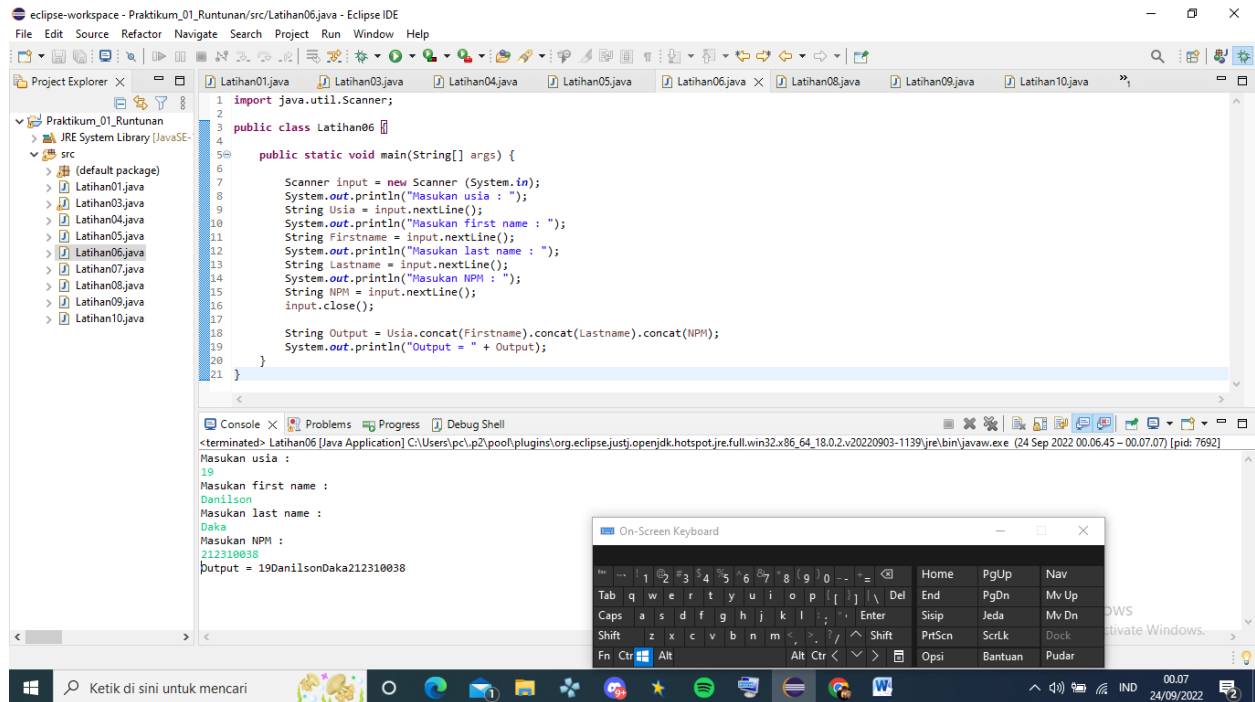


```
1 import java.util.Scanner;
2
3 public class Latihan05 {
4     public static void main (String[] args) {
5
6         Scanner input = new Scanner (System.in);
7         System.out.println("Masukan text : ");
8         String text = input.nextLine();
9         System.out.println(text.toUpperCase());
10        input.close();
11    }
12 }
```

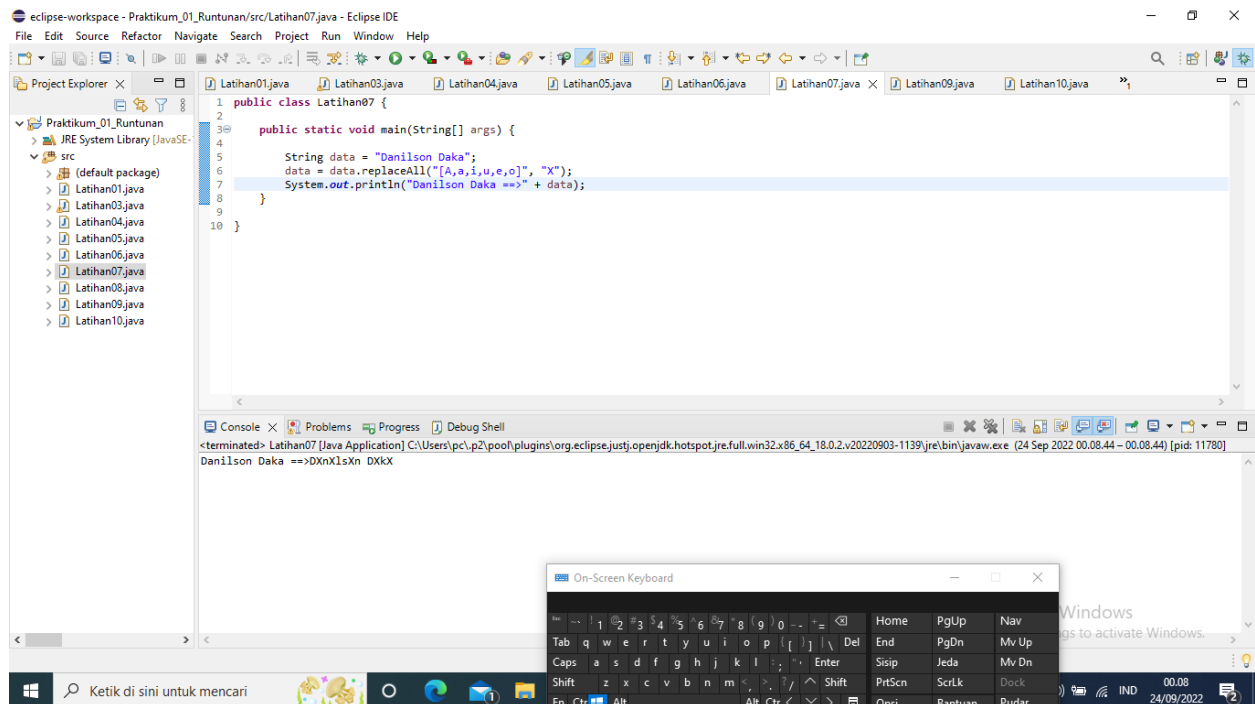
Console Output:

```
<terminated> Latihan05 [Java Application] C:\Users\pc\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.exe (24 Sep 2022 00.05.55 - 00.05.59) [pid: 13252]
Masukan text :
Danilson
DANILSON
```

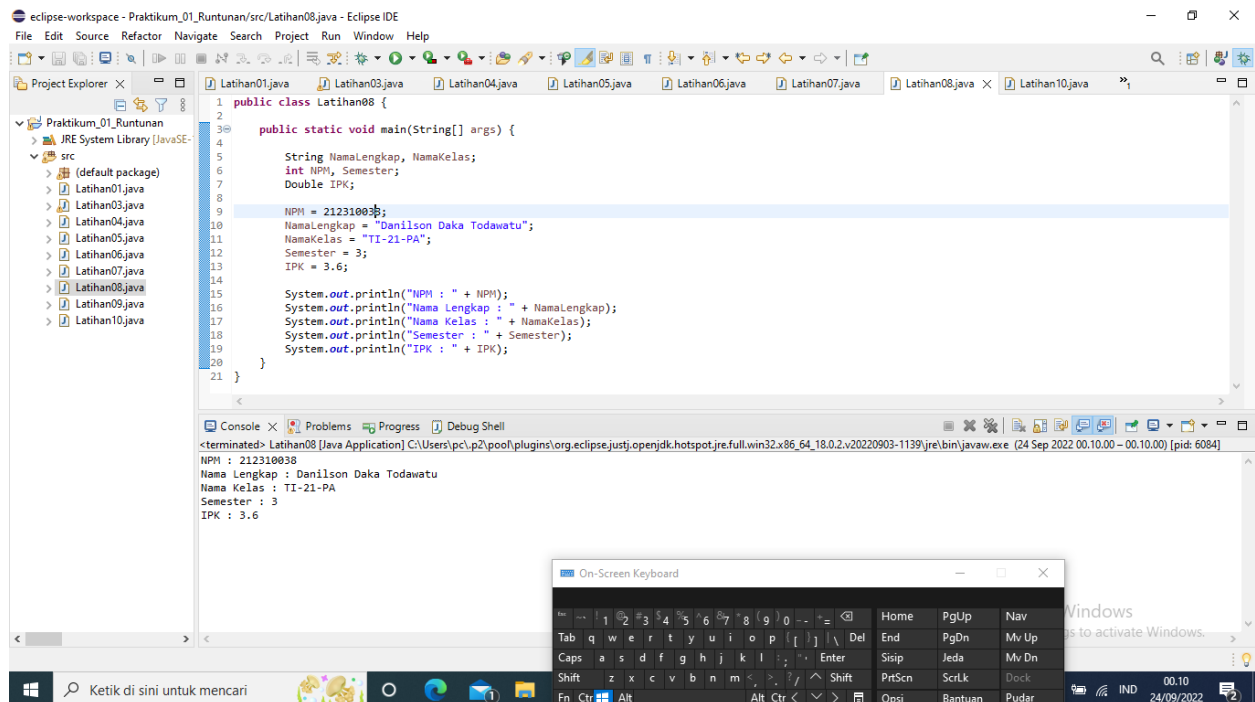
6.



7.



8.

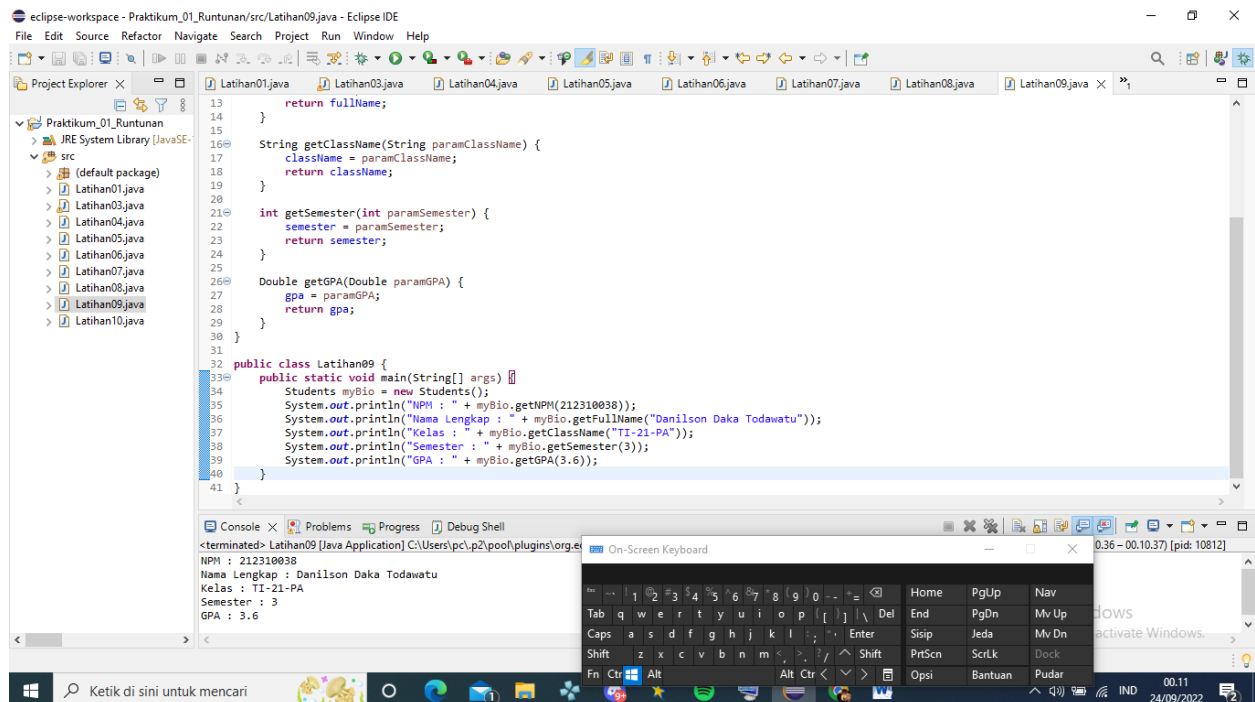


```
1 public class Latihan08 {
2
3     public static void main(String[] args) {
4
5         String NamaLengkap, NamaKelas;
6         int NPM, Semester;
7         Double IPK;
8
9         NPM = 212310038;
10        NamaLengkap = "Danilson Daka Todawatu";
11        NamaKelas = "TI-21-PA";
12        Semester = 3;
13        IPK = 3.6;
14
15        System.out.println("NPM : " + NPM);
16        System.out.println("Nama Lengkap : " + NamaLengkap);
17        System.out.println("Nama Kelas : " + NamaKelas);
18        System.out.println("Semester : " + Semester);
19        System.out.println("IPK : " + IPK);
20    }
21 }
```

Console Output:

```
terminated- Latihan08 [Java Application] C:\Users\pc\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.exe (24 Sep 2022 00:10:00 - 00:10:00) [pid: 6084]
NPM : 212310038
Nama Lengkap : Danilson Daka Todawatu
Nama Kelas : TI-21-PA
Semester : 3
IPK : 3.6
```

9.



```
13     }
14     return fullName;
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
26 Double getGPA(Double paramGPA) {
27     gpa = paramGPA;
28     return gpa;
29 }
30 }
31
32 public class Latihan09 {
33     public static void main(String[] args) {
34         Students myBio = new Students();
35         System.out.println("NPM : " + myBio.getNPM(212310038));
36         System.out.println("Nama Lengkap : " + myBio.getFullName("Danilson Daka Todawatu"));
37         System.out.println("Kelas : " + myBio.getClassName("TI-21-PA"));
38         System.out.println("Semester : " + myBio.getSemester(3));
39         System.out.println("GPA : " + myBio.getGPA(3.6));
40     }
41 }
```

Console Output:

```
terminated- Latihan09 [Java Application] C:\Users\pc\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.exe (24 Sep 2022 00:10:37 - 00:10:37) [pid: 10812]
NPM : 212310038
Nama Lengkap : Danilson Daka Todawatu
Kelas : TI-21-PA
Semester : 3
GPA : 3.6
```

10.

The screenshot shows the Eclipse IDE with a Java project named 'Praktikum_01_Runtunan'. The main file is 'Latihan10.java', which contains a Java program for a shopping cart simulation. The program calculates the total price of items, applies a discount based on the number of items, and prints the final total and member name.

```
39 System.out.println("ITEM      QTY      HARGA      TOTAL");
40 System.out.println("=====");
41 kursIndonesia.setDecimalFormatSymbols(formatRp);
42 kursIndonesia.setDecimalFormatSymbols(formatRp);
43 System.out.printf("ROTI ENAK      " + jml + "      %s %n", kursIndonesia.format(harga_satuan) + kursIndonesia.format(total_harga));
44 System.out.println("-----");
45 if(jml % 3 == 0) {
46     diskon = 0.05 * total_harga;
47     total_bayar = total_harga - diskon;
48     System.out.println("Diskon : 5%");
49 } else {
50     diskon = 0.010 * total_harga;
51     total_bayar = total_harga - diskon;
52     System.out.println("Diskon : 10%");
53 }
54
55 kursIndonesia.setDecimalFormatSymbols(formatRp);
56 System.out.printf("Sub Total: %s %n", kursIndonesia.format(total_bayar));
57 System.out.println("Member Name : " + myName.getFullName("Danilson Daka"));
58 }
59 }
```

The console output shows the results of the program execution:

```
<terminated> Latihan10 [Java Application] C:\Users\pc\p2\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre\bin\javaw.exe (24 Sep 2022 00:15:05 - 00:15:11) [pid: 13724]
=====
TOKO SERBAGUNA IBIK
Masukkan jumlah produk yang dibeli : 5
24-09-2022 00:15:11

ITEM      QTY      HARGA      TOTAL
=====
ROTI ENAK      5      Rp6.300,00Rp31.500,00
-----
Diskon : 10%
Sub Total: Rp31.185,00
Member Name : Danilson Daka
```