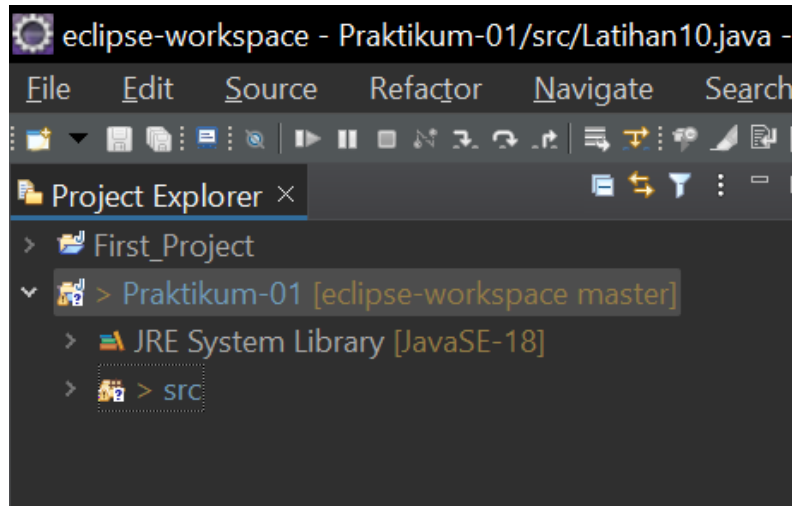


Nama: Muhamad Rizki Fadhli

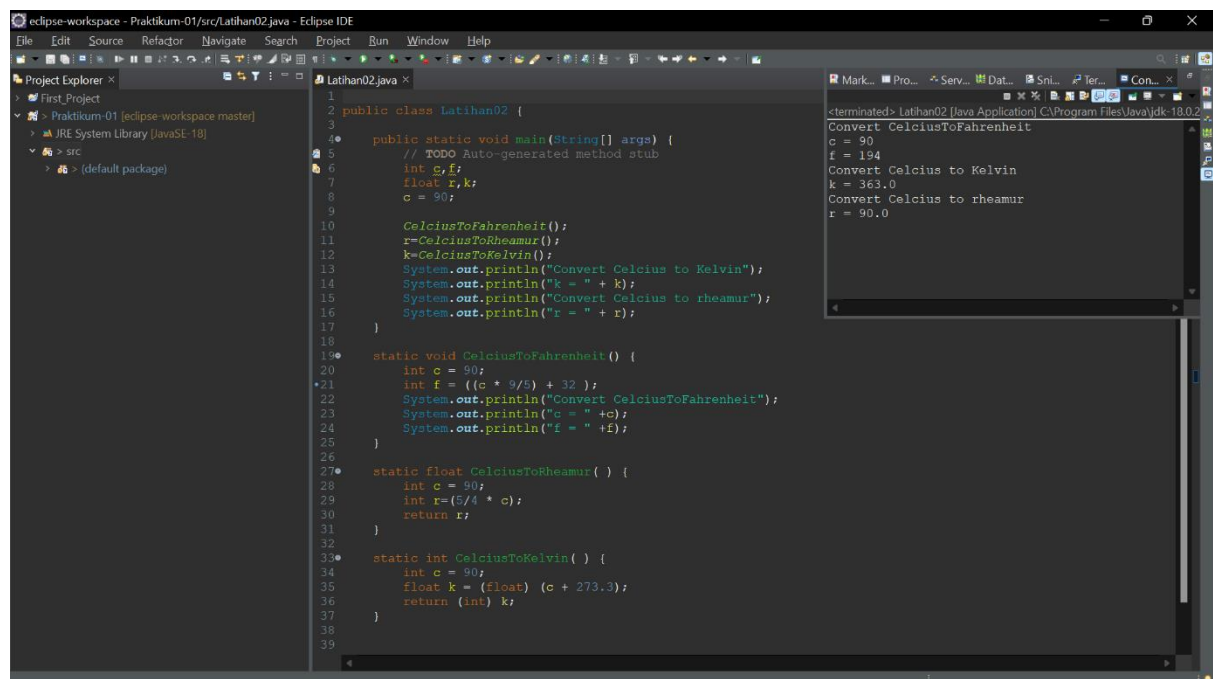
NIM: 212310028

Kelas TI-21-PA

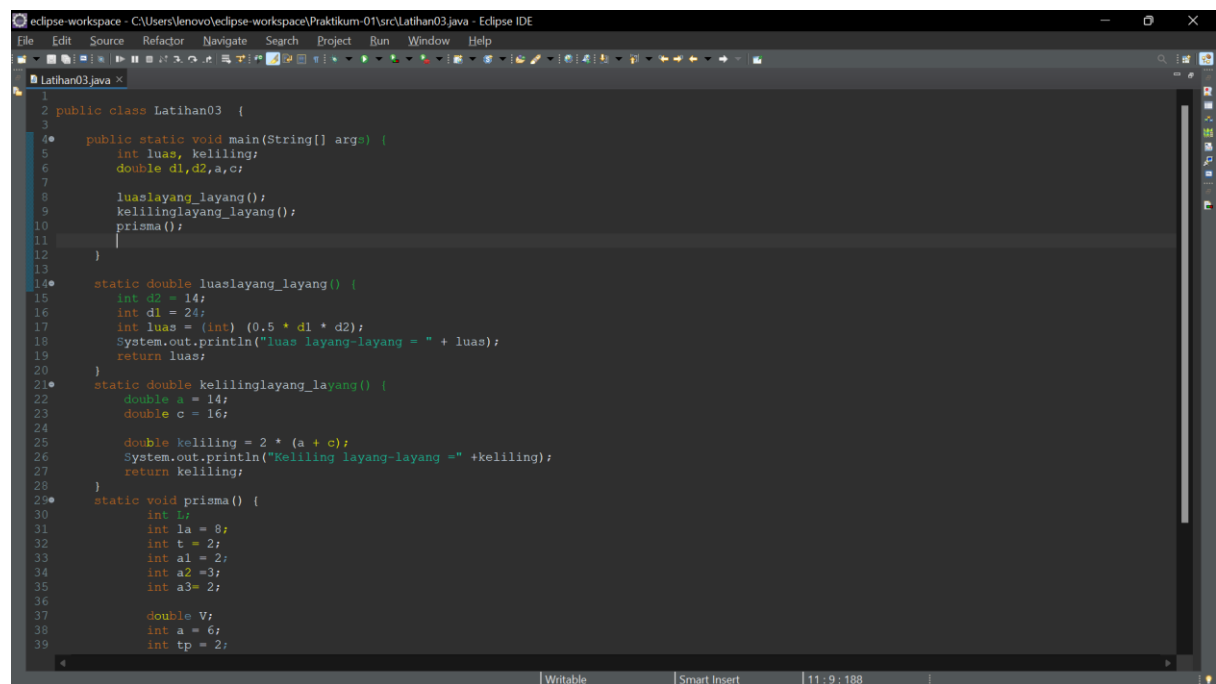
1. Hasil Membuat Project Java dengan nama Praktikum-01-Runtunan



2. Konversi Celcius ke Fahrenheit, rheamur, kelvin

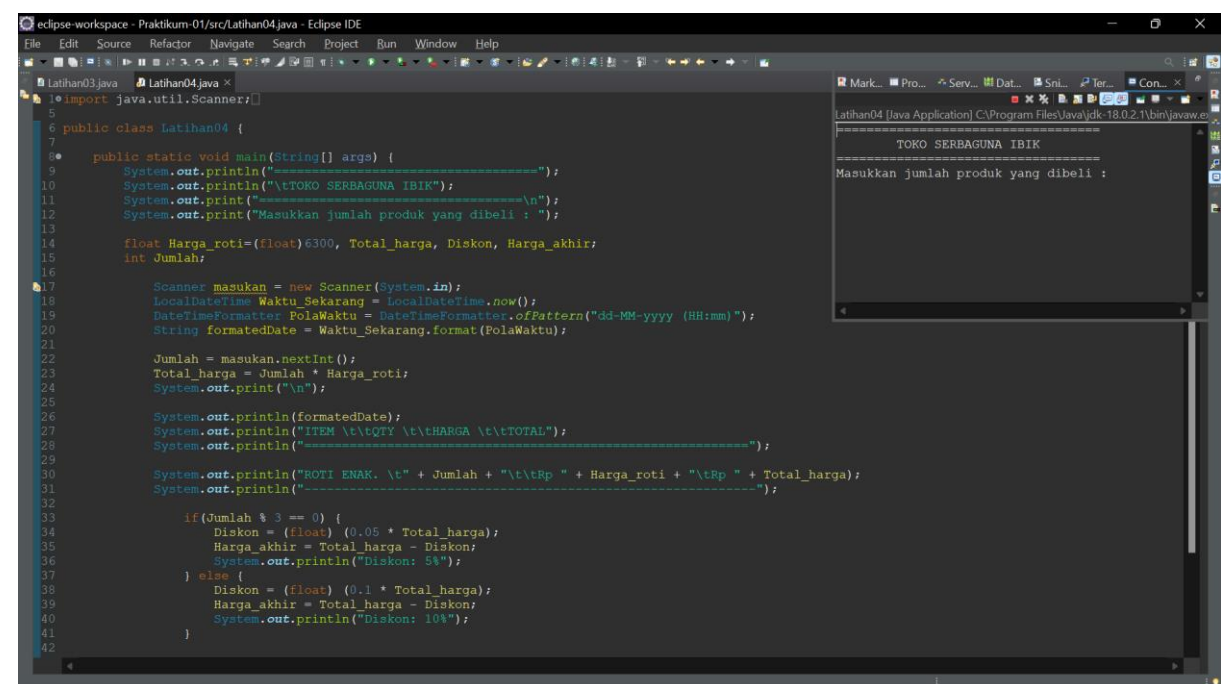


3. Menghitung Luas dan keliling layang-layang dan luas, volume prisma segitiga



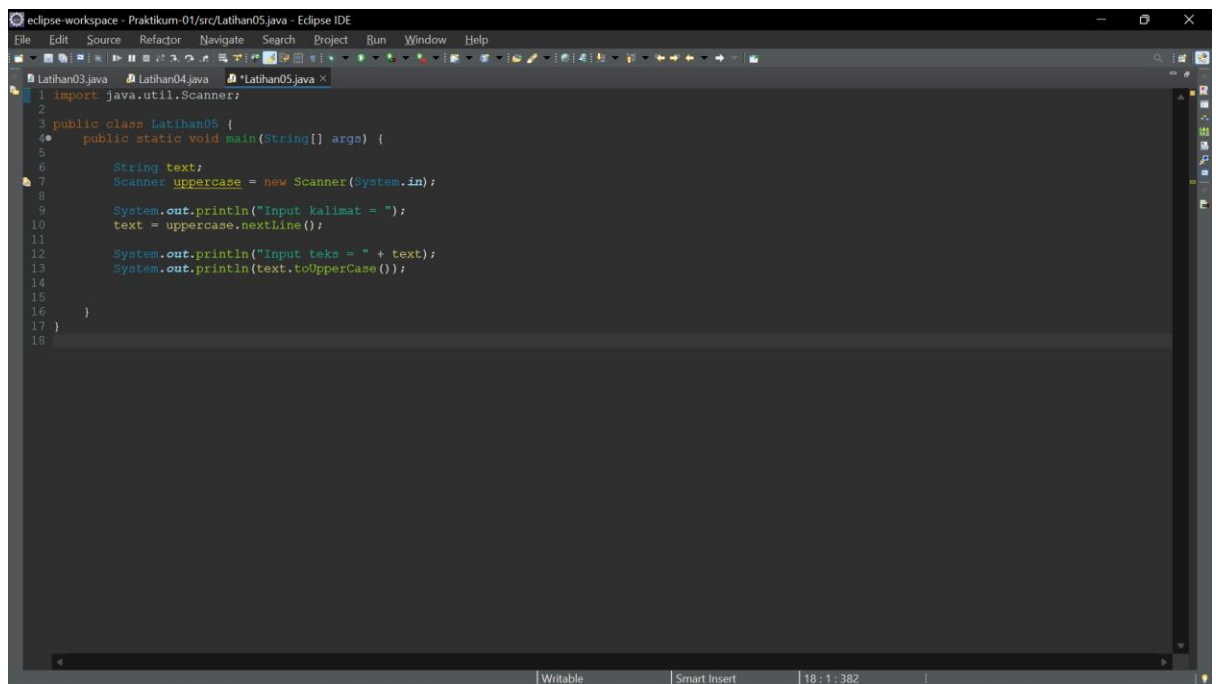
```
1 public class Latihan03 {
2
3
4     public static void main(String[] args) {
5         int luas, keliling;
6         double d1, d2, a, c;
7
8         luaslayang_layang();
9         kelilinglayang_layang();
10        prisma();
11
12    }
13
14    static double luaslayang_layang() {
15        int d2 = 14;
16        int d1 = 24;
17        int luas = (int) (0.5 * d1 * d2);
18        System.out.println("luas layang-layang = " + luas);
19        return luas;
20    }
21    static double kelilinglayang_layang() {
22        double a = 14;
23        double c = 16;
24
25        double keliling = 2 * (a + c);
26        System.out.println("Keliling layang-layang =" + keliling);
27        return keliling;
28    }
29    static void prisma() {
30        int L;
31        int la = 8;
32        int t = 2;
33        int al = 2;
34        int a2 = 3;
35        int a3 = 2;
36
37        double V;
38        int a = 6;
39        int tp = 2;
```

4. Membuat kwitansi Toko serbaguna ibik



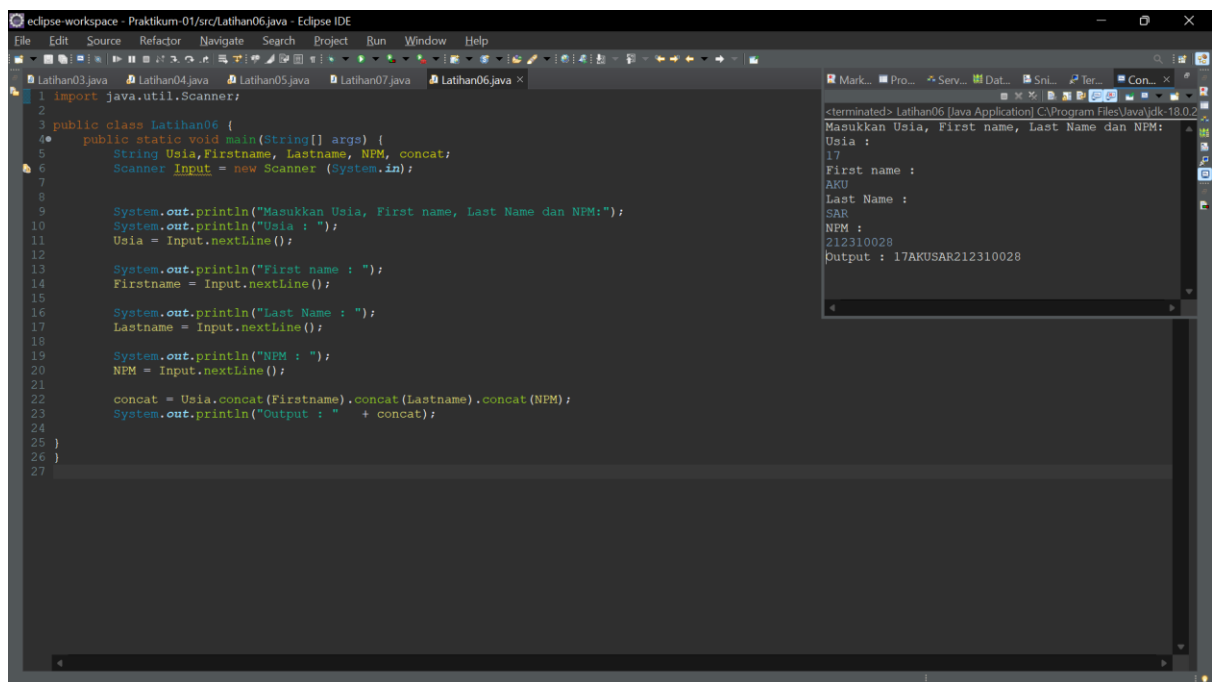
```
1 import java.util.Scanner;
2
3 public class Latihan04 {
4
5     public static void main(String[] args) {
6         System.out.println("=====");
7         System.out.println("\tTOKO SERBAGUNA IBIK");
8         System.out.print("=====");
9         System.out.print("\n");
10        System.out.print("Masukkan jumlah produk yang dibeli : ");
11
12        float Harga_roti=(float)6300, Total_harga, Diskon, Harga_akhir;
13        int Jumlah;
14
15
16
17        Scanner masukan = new Scanner(System.in);
18        LocalDateTime Waktu_Sekarang = LocalDateTime.now();
19        DateTimeFormatter PolaWaktu = DateTimeFormatter.ofPattern("dd-MM-yyyy HH:mm");
20        String formattedDate = Waktu_Sekarang.format(PolaWaktu);
21
22        Jumlah = masukan.nextInt();
23        Total_harga = Jumlah * Harga_roti;
24        System.out.print("\n");
25
26        System.out.println(formattedDate);
27        System.out.println("ITEM \t\tQTY \t\tHARGA \t\tTOTAL");
28        System.out.println("-----");
29
30        System.out.println("ROTI ENAK. \t" + Jumlah + "\t\tRp " + Harga_roti + "\t\tRp " + Total_harga);
31        System.out.println("-----");
32
33        if(Jumlah % 3 == 0) {
34            Diskon = (float) (0.05 * Total_harga);
35            Harga_akhir = Total_harga - Diskon;
36            System.out.println("Diskon: 5%");
37        } else {
38            Diskon = (float) (0.1 * Total_harga);
39            Harga_akhir = Total_harga - Diskon;
40            System.out.println("Diskon: 10%");
41        }
42    }
43 }
```

5. Merubah huruf kecil menjadi huruf kapital



```
1 import java.util.Scanner;
2
3 public class Latihan05 {
4     public static void main(String[] args) {
5
6         String text;
7         Scanner uppercase = new Scanner(System.in);
8
9         System.out.println("Input kalimat = ");
10        text = uppercase.nextLine();
11
12        System.out.println("Input teks = " + text);
13        System.out.println(text.toUpperCase());
14
15    }
16 }
17
18
```

6. Penggunaan CONCAT

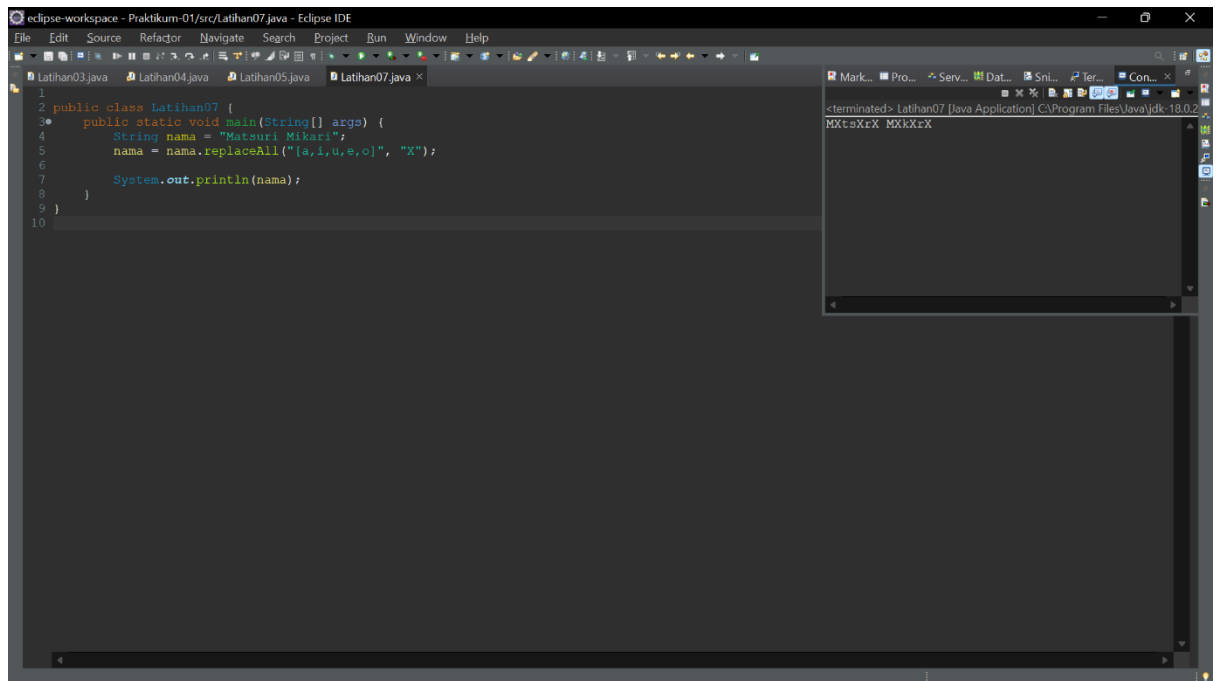


```
1 import java.util.Scanner;
2
3 public class Latihan06 {
4     public static void main(String[] args) {
5         String Usia,Firstname, Lastname, NPM, concat;
6         Scanner Input = new Scanner (System.in);
7
8
9         System.out.println("Masukkan Usia, First name, Last Name dan NPM:");
10        System.out.println("Usia : ");
11        Usia = Input.nextLine();
12
13        System.out.println("First name : ");
14        Firstname = Input.nextLine();
15
16        System.out.println("Last Name : ");
17        Lastname = Input.nextLine();
18
19        System.out.println("NPM : ");
20        NPM = Input.nextLine();
21
22        concat = Usia.concat(Firstname).concat(Lastname).concat(NPM);
23        System.out.println("Output : " + concat);
24
25    }
26 }
27
```

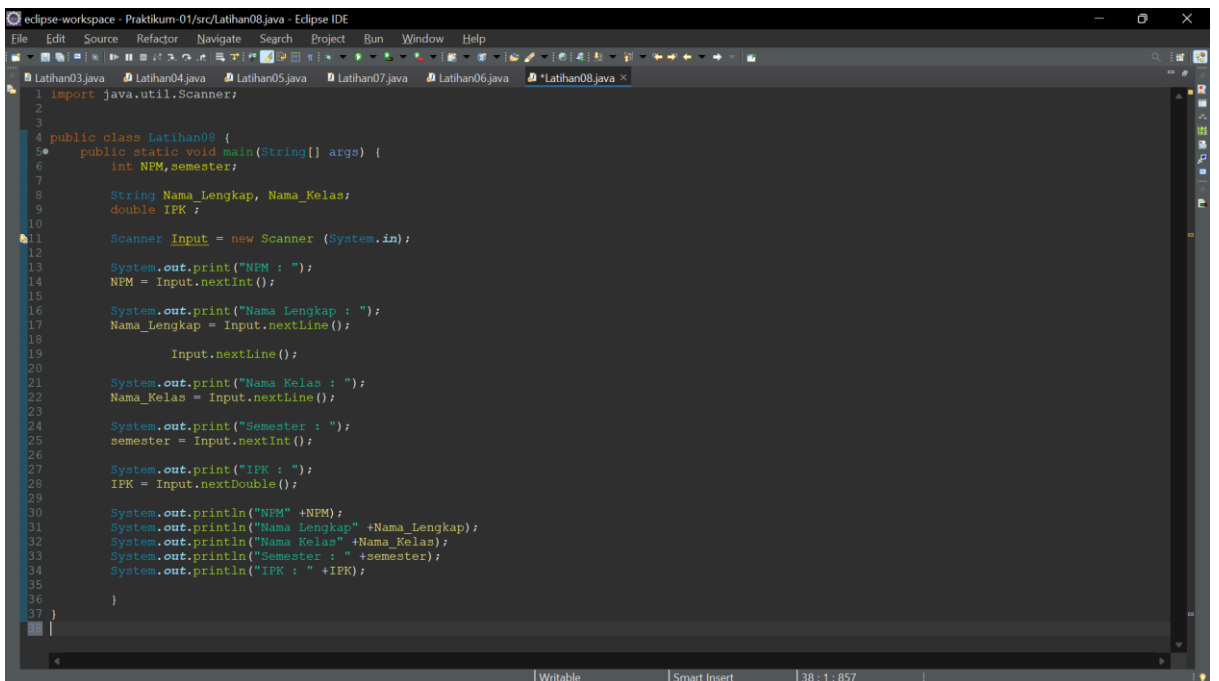
Output:

```
<terminated> Latihan06 [Java Application] C:\Program Files\Java\jdk-18.0.2
Masukkan Usia, First name, Last Name dan NPM:
Usia :
17
First name :
AKU
Last Name :
SAR
NPM :
212310028
Output : 17AKUSAR212310028
```

7. Mengganti huruf vokal a,i,u,e,o pada nama menjadi X



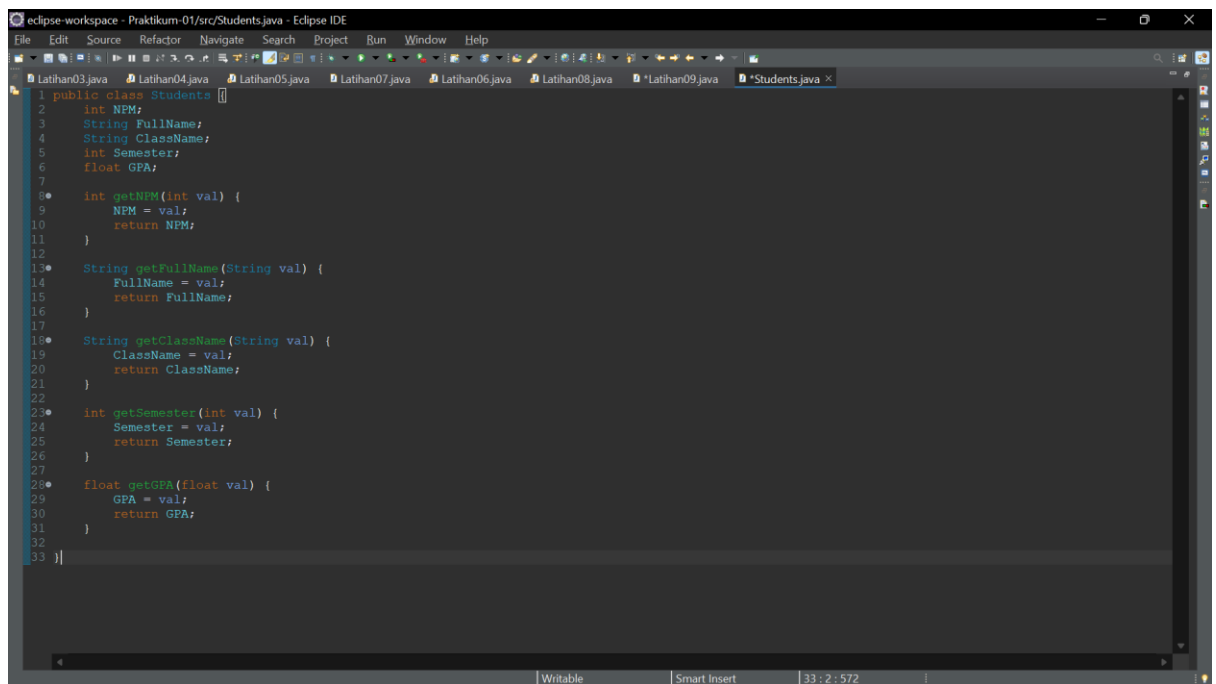
8. Menyimpan input dan output pada local variable



9. Menggabungkan 2 file yang berbeda

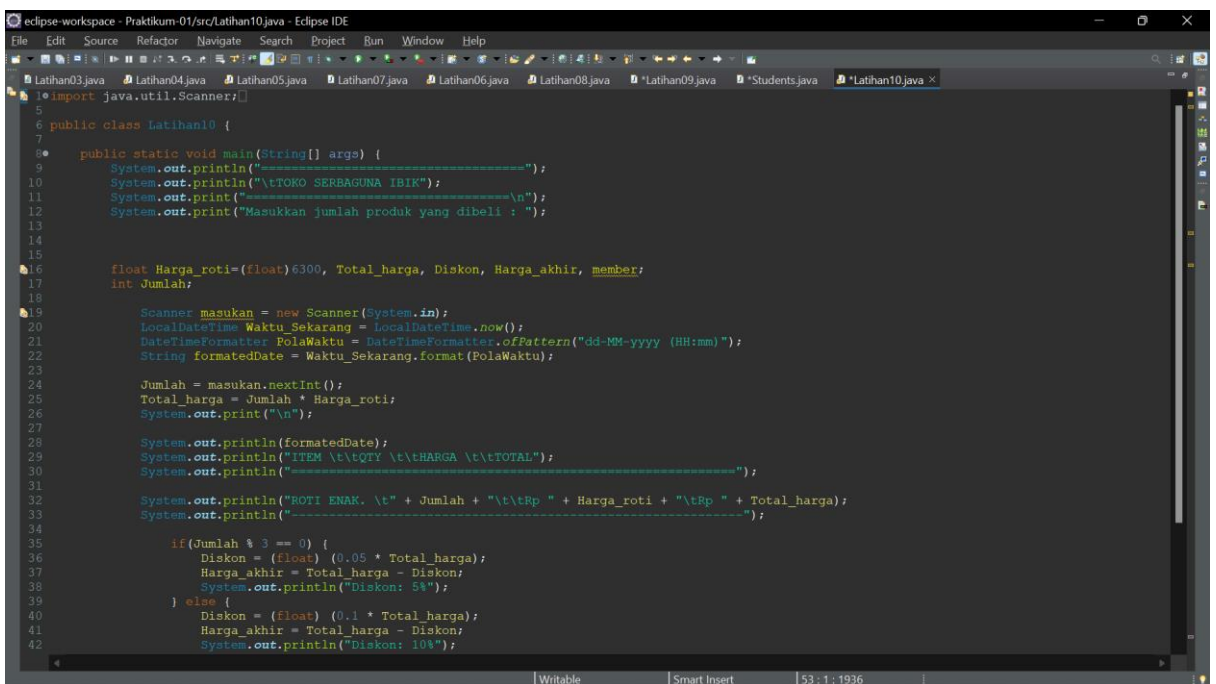
```
eclipse-workspace - Praktikum-01/src/Latihan09.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Latihan03.java Latihan04.java Latihan05.java Latihan07.java Latihan06.java Latihan08.java *Latihan09.java x
1 import java.util.Scanner;
2
3 public class Latihan09 {
4
5     public static void main(String[] args) {
6         Latihan09 myProgram = new Latihan09();
7         myProgram.InputStudents();
8     }
9
10    void InputStudents() {
11        Students myBio = new Students();
12        Scanner valueInput = new Scanner(System.in);
13
14        int inNPM, inSemester;
15        float inGPA;
16        String inFullName, inClassName;
17
18        int objNPM, objSemester;
19        float objGPA;
20        String objFullName, objClassName;
21
22        System.out.print("Masukkan NPM = ");
23        inNPM = valueInput.nextInt();
24        objNPM = myBio.getNPM(inNPM);
25
26        valueInput.nextLine();
27
28        System.out.print("Masukkan nama lengkap Anda = ");
29        inFullName = valueInput.nextLine();
30        objFullName = myBio.getFullName(inFullName);
31
32        System.out.print("Masukkan kelas Anda = ");
33        inClassName = valueInput.nextLine();
34        objClassName = myBio.getClassName(inClassName);
35
36        System.out.print("Masukkan semester Anda = ");
37        inSemester = valueInput.nextInt();
38        objSemester = myBio.getSemester(inSemester);
39    }
```

```
eclipse-workspace - Praktikum-01/src/Latihan09.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Latihan03.java Latihan04.java Latihan05.java Latihan07.java Latihan06.java Latihan08.java *Latihan09.java x
21 String objFullName, objClassName;
22
23 System.out.print("Masukkan NPM = ");
24 inNPM = valueInput.nextInt();
25 objNPM = myBio.getNPM(inNPM);
26
27 valueInput.nextLine();
28
29 System.out.print("Masukkan nama lengkap Anda = ");
30 inFullName = valueInput.nextLine();
31 objFullName = myBio.getFullName(inFullName);
32
33 System.out.print("Masukkan kelas Anda = ");
34 inClassName = valueInput.nextLine();
35 objClassName = myBio.getClassName(inClassName);
36
37 System.out.print("Masukkan semester Anda = ");
38 inSemester = valueInput.nextInt();
39 objSemester = myBio.getSemester(inSemester);
40
41 System.out.print("Masukkan GPA / IPK Anda = ");
42 inGPA = valueInput.nextFloat();
43 objGPA = myBio.getGPA(inGPA);
44
45 OutputStudents(objNPM, objFullName, objClassName, objSemester, objGPA);
46
47 valueInput.close();
48
49 void OutputStudents(int val_NPM, String val_FullName, String val_ClassName, int val_Semester, float val_GPA) {
50     System.out.print("\n");
51
52     System.out.println("NPM          : " + val_NPM);
53     System.out.println("Nama Lengkap : " + val_FullName);
54     System.out.println("Kelas       : " + val_ClassName);
55     System.out.println("Semester    : " + val_Semester);
56     System.out.println("GPA / IPK   : " + val_GPA);
57 }
58 }
59
```



```
1 public class Students {
2     int NPM;
3     String FullName;
4     String ClassName;
5     int Semester;
6     float GPA;
7
8     int getNPM(int val) {
9         NPM = val;
10        return NPM;
11    }
12
13    String getFullName(String val) {
14        FullName = val;
15        return FullName;
16    }
17
18    String getClassName(String val) {
19        ClassName = val;
20        return ClassName;
21    }
22
23    int getSemester(int val) {
24        Semester = val;
25        return Semester;
26    }
27
28    float getGPA(float val) {
29        GPA = val;
30        return GPA;
31    }
32
33 }
```

10. Menambahkan menu member pada kwitansi seperti nomer 4 dan menghubungkan dengan nomer 9



```
1 import java.util.Scanner;
2
3 public class Latihan10 {
4
5     public static void main(String[] args) {
6         System.out.println("=====");
7         System.out.println("\tTOKO SERBAGUNA IBIK");
8         System.out.println("=====");
9         System.out.print("Masukkan jumlah produk yang dibeli : ");
10
11         float Harga_roti=(float)6300, Total_harga, Diskon, Harga_akhir, member;
12         int Jumlah;
13
14         Scanner masukan = new Scanner(System.in);
15         LocalDateTime Waktu_Sekarang = LocalDateTime.now();
16         DateTimeFormatter PolaWaktu = DateTimeFormatter.ofPattern("dd-MM-yyyy (HH:mm)");
17         String FormatedDate = Waktu_Sekarang.format(PolaWaktu);
18
19         Jumlah = masukan.nextInt();
20         Total_harga = Jumlah * Harga_roti;
21         System.out.print("\n");
22
23         System.out.println(formatedDate);
24         System.out.println("ITEM \t\tQTY \t\tHARGA \t\tTOTAL");
25         System.out.println("=====");
26
27         System.out.println("ROTI ENAK. \t" + Jumlah + "\t\tRp " + Harga_roti + "\t\t" + Total_harga);
28         System.out.println("=====");
29
30         if(Jumlah % 3 == 0) {
31             Diskon = (float) (0.05 * Total_harga);
32             Harga_akhir = Total_harga - Diskon;
33             System.out.println("Diskon: 5%");
34         } else {
35             Diskon = (float) (0.1 * Total_harga);
36             Harga_akhir = Total_harga - Diskon;
37             System.out.println("Diskon: 10%");
38         }
39     }
40 }
```

```
eclipse-workspace - Praktikum-01/src/Latihan10.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Lathian03.java Lathian04.java Lathian05.java Lathian07.java Lathian06.java Lathian08.java Lathian09.java *Students.java *Latihan10.java x

15
16 float Harga_roti=(float)6300, Total_harga, Diskon, Harga_akhir, member;
17 int Jumlah;
18
19 Scanner masukan = new Scanner(System.in);
20 LocalDateTime Waktu_Sekarang = LocalDateTime.now();
21 DateTimeFormatter PolaWaktu = DateTimeFormatter.ofPattern("dd-MM-yyyy (HH:mm)");
22 String formattedDate = Waktu_Sekarang.format(PolaWaktu);
23
24 Jumlah = masukan.nextInt();
25 Total_harga = Jumlah * Harga_roti;
26 System.out.print("\n");
27
28 System.out.println(formattedDate);
29 System.out.println("ITEM \t\tQTY \t\tHARGA \t\tTOTAL");
30 System.out.println("-----");
31
32 System.out.println("ROTI ENAK. \t" + Jumlah + "\t\tRp " + Harga_roti + "\tRp " + Total_harga);
33 System.out.println("-----");
34
35 if (Jumlah % 3 == 0) {
36     Diskon = (float) (0.05 * Total_harga);
37     Harga_akhir = Total_harga - Diskon;
38     System.out.println("Diskon: 5%");
39 } else {
40     Diskon = (float) (0.1 * Total_harga);
41     Harga_akhir = Total_harga - Diskon;
42     System.out.println("Diskon: 10%");
43 }
44
45 System.out.println("Sub Total = Rp " + Harga_akhir);
46 Students myBio = new Students();
47 String nama = myBio.getFullName("Rizki F");
48 System.out.println("Member = " + nama);
49
50 }
51
52
4 | Writable | Smart Insert | 53 : 1 : 1936
```