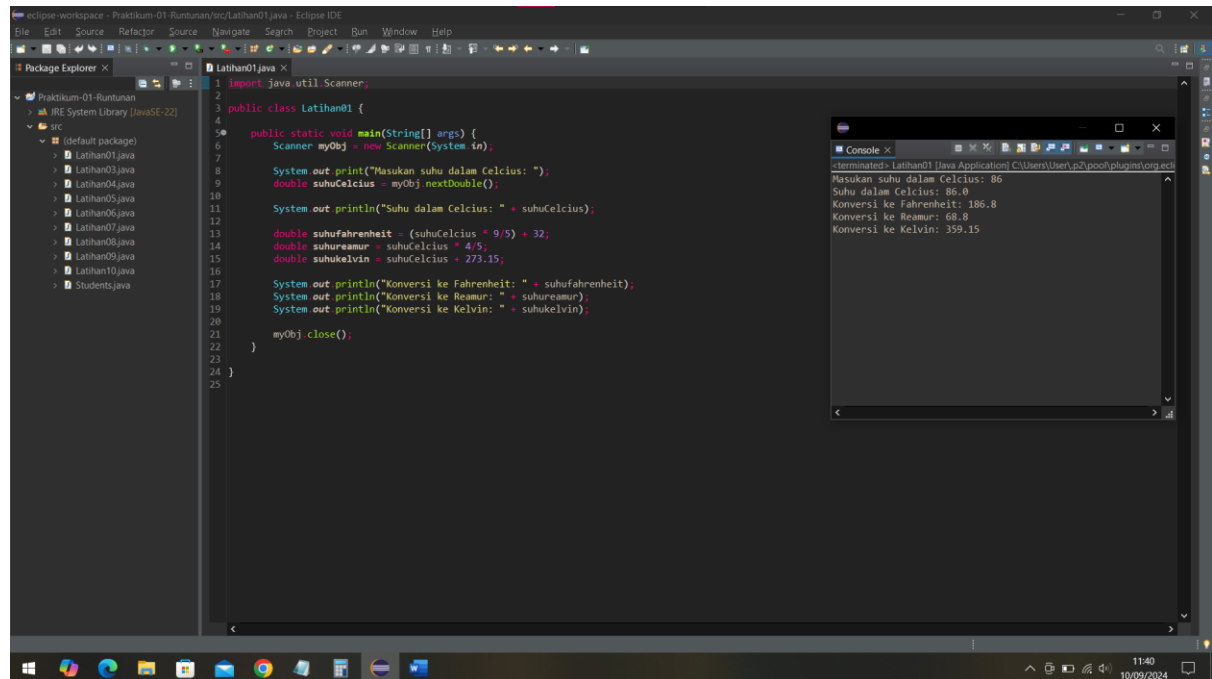


Result Latihan01



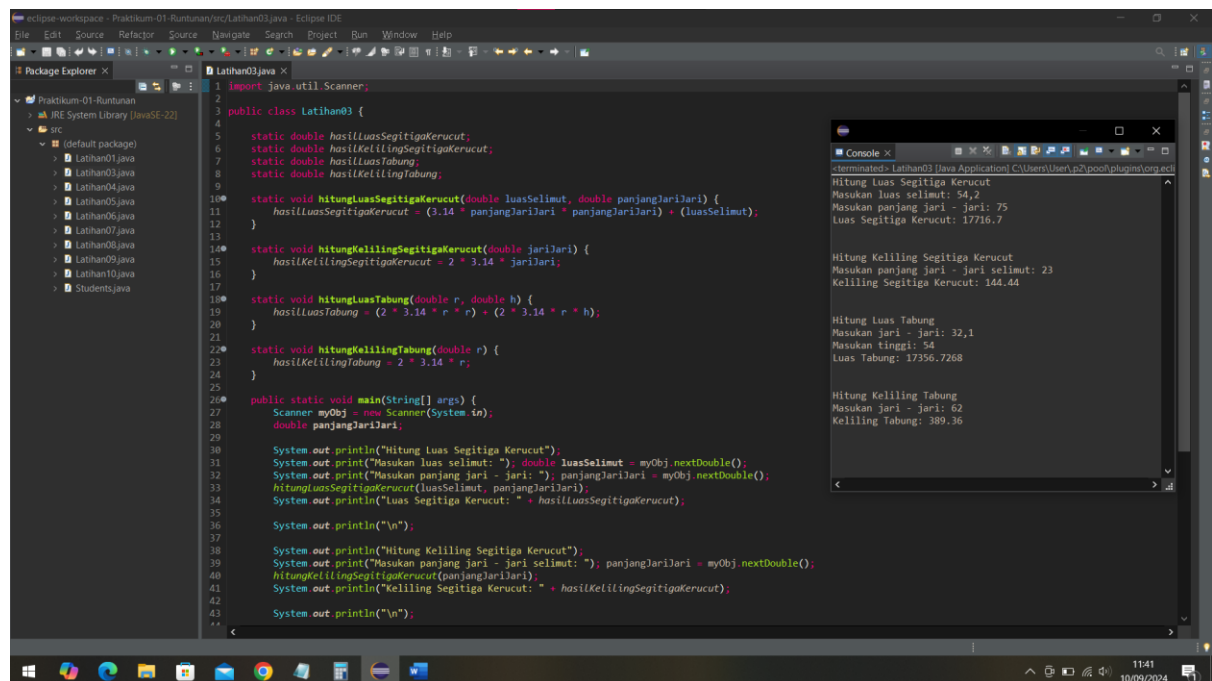
The screenshot shows the Eclipse IDE with the file `Latihan01.java` open. The code imports `java.util.Scanner` and defines a `Latihan01` class with a `main` method. The `main` method prompts the user to enter a temperature in Celsius, reads the input, and then calculates and prints the equivalent temperatures in Fahrenheit, Reamur, and Kelvin. The console output shows the program's execution with the input 86 and the corresponding conversions.

```
1 import java.util.Scanner;
2
3 public class Latihan01 {
4
5     public static void main(String[] args) {
6         Scanner myObj = new Scanner(System.in);
7
8         System.out.print("Masukan suhu dalam Celcius: ");
9         double suhuCelcius = myObj.nextDouble();
10
11         System.out.println("Suhu dalam Celcius: " + suhuCelcius);
12
13         double suhuFahrenheit = (suhuCelcius * 9/5) + 32;
14         double suhuReamur = suhuCelcius * 4/5;
15         double suhuKelvin = suhuCelcius + 273.15;
16
17         System.out.println("Konversi ke Fahrenheit: " + suhuFahrenheit);
18         System.out.println("Konversi ke Reamur: " + suhuReamur);
19         System.out.println("Konversi ke Kelvin: " + suhuKelvin);
20
21         myObj.close();
22     }
23 }
24
25
```

Console Output:

```
terminated: Latihan01 [Java Application] C:\Users\User1.p2\pool\plugins\org.eclipse
Masukan suhu dalam Celcius: 86
Suhu dalam Celcius: 86.0
Konversi ke Fahrenheit: 186.8
Konversi ke Reamur: 68.8
Konversi ke Kelvin: 359.15
```

Result Latihan03



The screenshot shows the Eclipse IDE with the file `Latihan03.java` open. The code imports `java.util.Scanner` and defines a `Latihan03` class. It contains several static methods for calculating the area and perimeter of a triangle and a circle. The `main` method prompts the user to enter the base and height of a triangle, the radius of a circle, and the side length of a triangle, and then prints the results of the calculations. The console output shows the program's execution with the input values and the calculated results.

```
1 import java.util.Scanner;
2
3 public class Latihan03 {
4
5     static double hasilLuasSegitigaKerucut;
6     static double hasilKelilingSegitigaKerucut;
7     static double hasilLuasTabung;
8     static double hasilKelilingTabung;
9
10    static void hitungLuasSegitigaKerucut(double luasSelimut, double panjangJariJari) {
11        hasilLuasSegitigaKerucut = (3.14 * panjangJariJari * panjangJariJari) + (luasSelimut);
12    }
13
14    static void hitungKelilingSegitigaKerucut(double jariJari) {
15        hasilKelilingSegitigaKerucut = 2 * 3.14 * jariJari;
16    }
17
18    static void hitungLuasTabung(double r, double h) {
19        hasilLuasTabung = (2 * 3.14 * r * r) + (2 * 3.14 * r * h);
20    }
21
22    static void hitungKelilingTabung(double r) {
23        hasilKelilingTabung = 2 * 3.14 * r;
24    }
25
26    public static void main(String[] args) {
27        Scanner myObj = new Scanner(System.in);
28        double panjangJariJari;
29
30        System.out.println("Hitung Luas Segitiga Kerucut");
31        System.out.print("Masukan luas selimut: "); double luasSelimut = myObj.nextDouble();
32        System.out.print("Masukan panjang jari - jari: "); panjangJariJari = myObj.nextDouble();
33        hitungLuasSegitigaKerucut(luasSelimut, panjangJariJari);
34        System.out.println("Luas Segitiga Kerucut: " + hasilLuasSegitigaKerucut);
35
36        System.out.println("\n");
37
38        System.out.println("Hitung Keliling Segitiga Kerucut");
39        System.out.print("Masukan panjang jari - jari selimut: "); panjangJariJari = myObj.nextDouble();
40        hitungKelilingSegitigaKerucut(panjangJariJari);
41        System.out.println("Keliling Segitiga Kerucut: " + hasilKelilingSegitigaKerucut);
42
43        System.out.println("\n");
44    }
45
46
```

Console Output:

```
terminated: Latihan03 [Java Application] C:\Users\User1.p2\pool\plugins\org.eclipse
Hitung Luas Segitiga Kerucut
Masukan luas selimut: 54.2
Masukan panjang jari - jari: 75
Luas Segitiga Kerucut: 17716.7

Hitung Keliling Segitiga Kerucut
Masukan panjang jari - jari selimut: 23
Keliling Segitiga Kerucut: 144.44

Hitung Luas Tabung
Masukan jari - jari: 32.1
Masukan tinggi: 54
Luas Tabung: 17356.7268

Hitung Keliling Tabung
Masukan jari - jari: 62
Keliling Tabung: 389.36
```

Result Latihan04

The screenshot shows the Eclipse IDE with the file `Latihan04.java` open. The code implements a shopping cart system with a `subTotal` method and a `main` method that uses a `Scanner` to take user input. The console output shows the program's execution, including a date stamp, a header for 'TOKO SERBAGUNA IDIK', a prompt for the number of products, and a formatted table of items.

```
1 import java.util.Scanner;
2
3 public class Latihan04 {
4     static int harga = 6300;
5
6     static double subTotal(double total, int quantity) {
7         int diskon = (quantity / 3) * 5;
8         if (diskon > 100) {
9             diskon = 100;
10        }
11        return total - (total * diskon / 100.0);
12    }
13
14    public static void main(String[] args) {
15        Scanner myObj = new Scanner(System.in);
16        LocalDateTime myObj2 = LocalDateTime.now();
17        int quantity;
18        double total;
19
20        System.out.println("=====");
21        System.out.println("TOKO SERBAGUNA IDIK");
22        System.out.println("=====");
23
24        System.out.print("Masukkan jumlah produk yang dibeli: ");
25        quantity = myObj.nextInt();
26
27        total = harga * quantity;
28
29        System.out.println("\n");
30        DateTimeFormatter formatter = DateTimeFormatter.ofPattern("dd MMM yyyy (HH:mm)");
31        String formattedDateTime = myObj2.format(formatter);
32        System.out.println(formattedDateTime);
33
34        System.out.println("ITEM          QTY  HARGA      TOTAL");
35        System.out.println("=====");
36        System.out.printf("%-16s %d Rp %,7d,- Rp %,10d\n", "ROTI ENAK", quantity, harga, (int)total);
37        System.out.println("=====");
38
39        double subtotal = subTotal(total, quantity);
40
41        int diskon = (quantity / 3) * 5;
42        if (diskon > 100) {
43            diskon = 100;
44        }
45    }
46 }
```

Console Output:

```
terminated> Latihan04 [Java Application] C:\Users\User\p2\poo\plugins\org.eclipse
=====
10 Sept 2024 (11:42)
ITEM          QTY  HARGA      TOTAL
=====
ROTI ENAK      10 Rp 6.300,- Rp 63.000
=====
Diskon : 15%
Sub Total : Rp 53.550,-
```

Result Latihan05

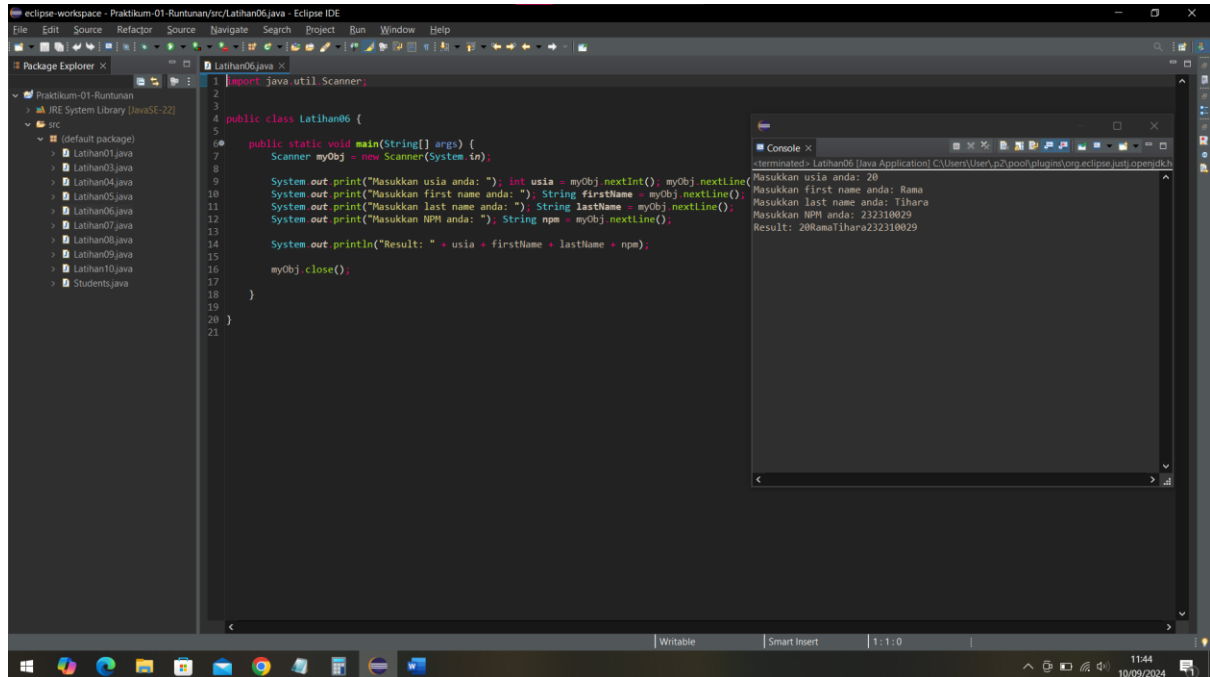
The screenshot shows the Eclipse IDE with the file `Latihan05.java` open. The code is a simple program that takes a string input from the user and prints it in uppercase. The console output shows the program's execution, including a prompt for text and the resulting uppercase string.

```
1 import java.util.Scanner;
2
3 public class Latihan05 {
4     public static void main(String[] args) {
5         Scanner myObj = new Scanner(System.in);
6         String inputan;
7
8         System.out.print("Masukkan teks yang akan di convert menjadi uppercase: ");
9         inputan = myObj.nextLine();
10        System.out.print("Teks uppercase: " + inputan.toUpperCase());
11
12        myObj.close();
13    }
14 }
15 }
```

Console Output:

```
terminated> Latihan05 [Java Application] C:\Users\User\p2\poo\plugins\org.eclipse.jdt.core
Masukkan teks yang akan di convert menjadi uppercase: rama tihara
Teks uppercase: RAMA TIHARA
```

Result Latihan06



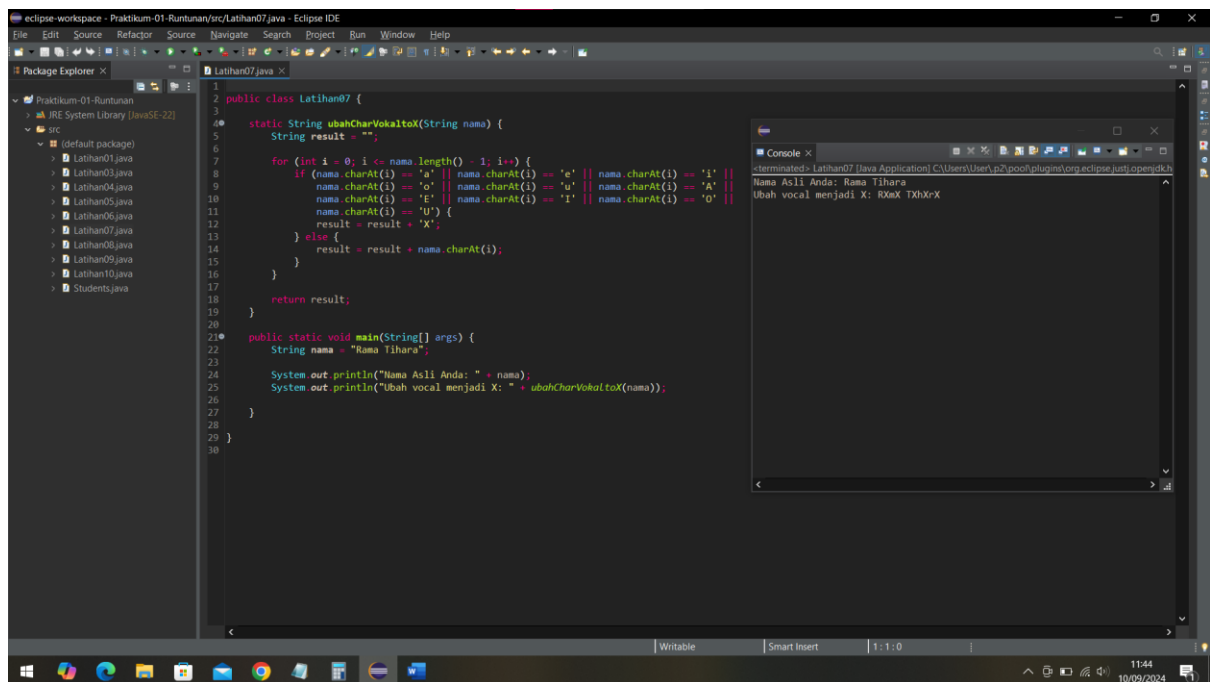
The screenshot shows the Eclipse IDE with the file `Latihan06.java` open. The code uses a `Scanner` to take user input for age, first name, last name, and NPM, then prints them concatenated. The console window shows the execution results for the input: 20, Rama, Tihara, 232310029.

```
1 import java.util.Scanner;
2
3
4 public class Latihan06 {
5
6     public static void main(String[] args) {
7         Scanner myObj = new Scanner(System.in);
8
9         System.out.print("Masukkan usia anda: "); int usia = myObj.nextInt(); myObj.nextLine();
10        System.out.print("Masukkan first name anda: "); String firstName = myObj.nextLine();
11        System.out.print("Masukkan last name anda: "); String lastName = myObj.nextLine();
12        System.out.print("Masukkan NPM anda: "); String npm = myObj.nextLine();
13
14        System.out.println("Result: " + usia + firstName + lastName + npm);
15
16        myObj.close();
17    }
18 }
19
20 }
21
```

Console Output:

```
<terminated> Latihan06 [Java Application] C:\Users\User\p2\pool\plugins\org.eclipse.jdt.ui\openjdk\
Masukkan usia anda: 20
Masukkan first name anda: Rama
Masukkan last name anda: Tihara
Masukkan NPM anda: 232310029
Result: 20RamaTihara232310029
```

Result Latihan07



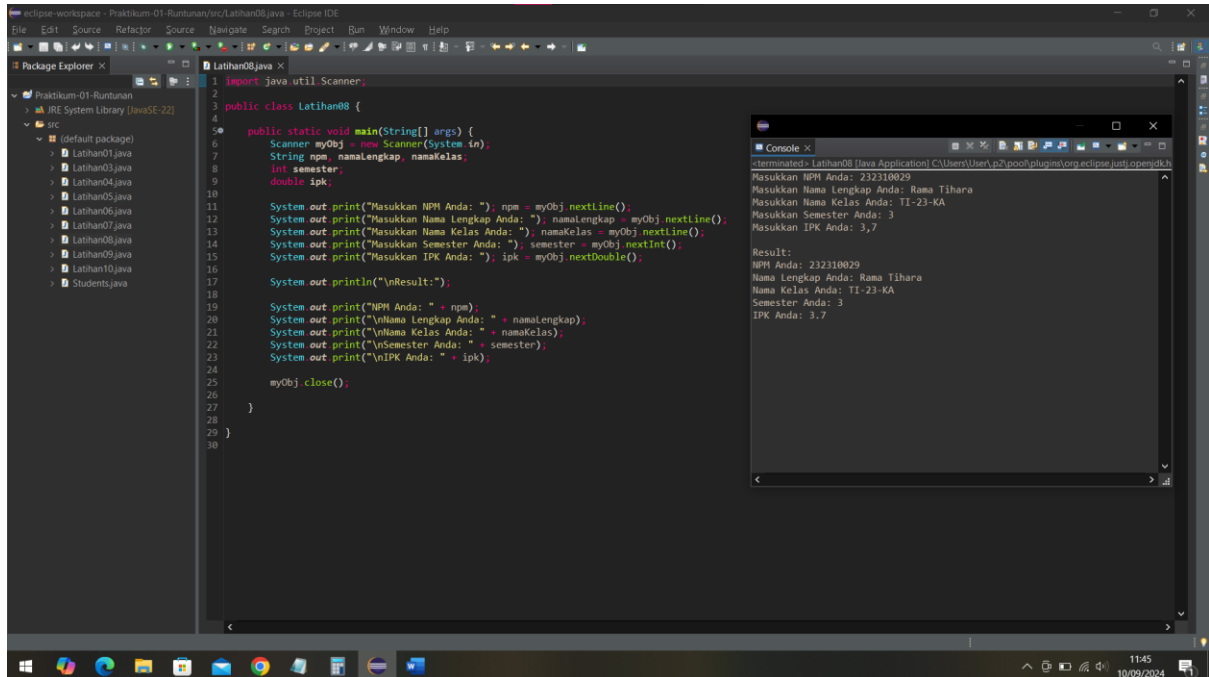
The screenshot shows the Eclipse IDE with the file `Latihan07.java` open. The code defines a method `ubahCharVokaltoX` that replaces vowels in a string with 'X'. The `main` method calls this function on the string "Rama Tihara". The console output shows the original string and the modified string "RmX TihXrX".

```
1 public class Latihan07 {
2
3     static String ubahCharVokaltoX(String nama) {
4         String result = "";
5
6         for (int i = 0; i <= nama.length() - 1; i++) {
7             if (nama.charAt(i) == 'a' || nama.charAt(i) == 'e' || nama.charAt(i) == 'i' ||
8                 nama.charAt(i) == 'o' || nama.charAt(i) == 'u' || nama.charAt(i) == 'A' ||
9                 nama.charAt(i) == 'E' || nama.charAt(i) == 'I' || nama.charAt(i) == 'O' ||
10                 nama.charAt(i) == 'U') {
11                 result = result + 'X';
12             } else {
13                 result = result + nama.charAt(i);
14             }
15         }
16         return result;
17     }
18
19     public static void main(String[] args) {
20         String nama = "Rama Tihara";
21
22         System.out.println("Nama Asli Anda: " + nama);
23         System.out.println("Ubah vocal menjadi X: " + ubahCharVokaltoX(nama));
24     }
25 }
26
27 }
28
29 }
30
```

Console Output:

```
<terminated> Latihan07 [Java Application] C:\Users\User\p2\pool\plugins\org.eclipse.jdt.ui\openjdk\
Nama Asli Anda: Rama Tihara
Ubah vocal menjadi X: RmX TihXrX
```

Result Latihan08



The screenshot shows the Eclipse IDE with the file `Latihan08.java` open. The code uses a `Scanner` to read input from the user and prints the results. The console output shows the program running successfully with the following input and output:

```
import java.util.Scanner;

public class Latihan08 {

    public static void main(String[] args) {
        Scanner myObj = new Scanner(System.in);
        String npm, namaLengkap, namaKelas;
        int semester;
        double ipk;

        System.out.print("Masukkan NPM Anda: "); npm = myObj.nextLine();
        System.out.print("Masukkan Nama Lengkap Anda: "); namaLengkap = myObj.nextLine();
        System.out.print("Masukkan Nama Kelas Anda: "); namaKelas = myObj.nextLine();
        System.out.print("Masukkan Semester Anda: "); semester = myObj.nextInt();
        System.out.print("Masukkan IPK Anda: "); ipk = myObj.nextDouble();

        System.out.println("\nResult:");

        System.out.print("NPM Anda: " + npm);
        System.out.print("\nNama Lengkap Anda: " + namaLengkap);
        System.out.print("\nNama Kelas Anda: " + namaKelas);
        System.out.print("\nSemester Anda: " + semester);
        System.out.print("\nIPK Anda: " + ipk);

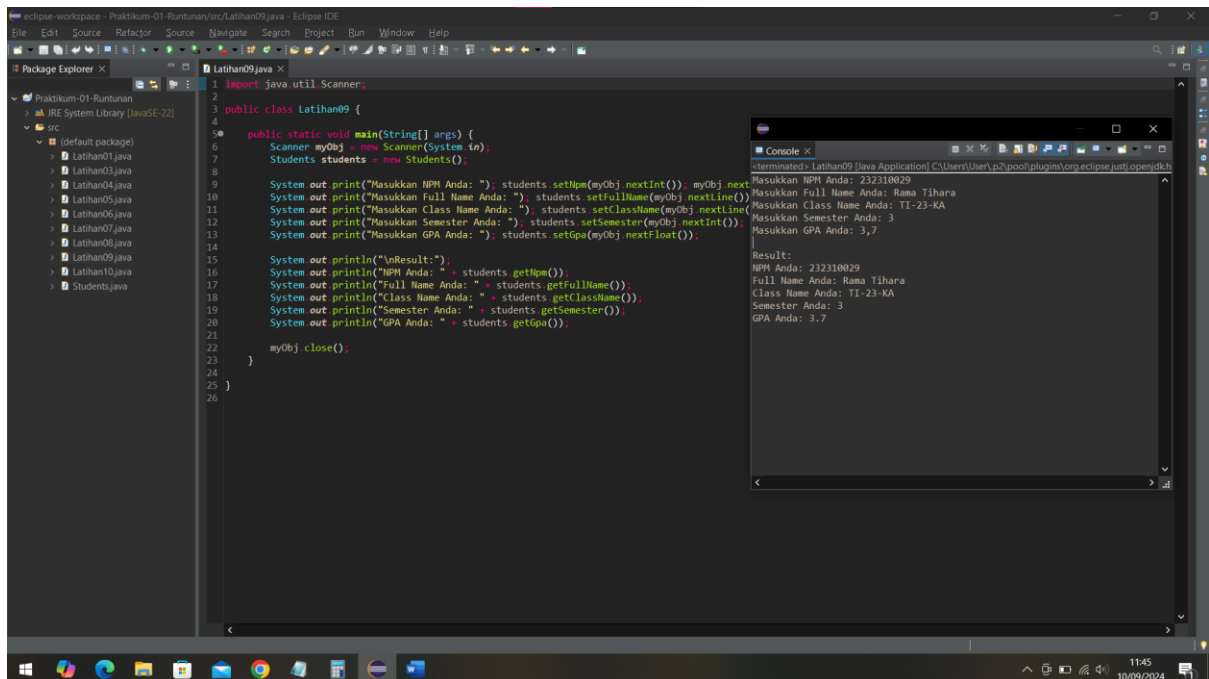
        myObj.close();
    }
}
```

Console Output:

```
<terminated>: Latihan08 [Java Application] C:\Users\User\p2\pool\plugins\org.eclipse.jdt.ui.openjdkh
Masukkan NPM Anda: 232310029
Masukkan Nama Lengkap Anda: Rama Tihara
Masukkan Nama Kelas Anda: TI-23-KA
Masukkan Semester Anda: 3
Masukkan IPK Anda: 3,7

Result:
NPM Anda: 232310029
Nama Lengkap Anda: Rama Tihara
Nama Kelas Anda: TI-23-KA
Semester Anda: 3
IPK Anda: 3,7
```

Result Latihan09



The screenshot shows the Eclipse IDE with the file `Latihan09.java` open. The code uses a `Scanner` to read input from the user and prints the results. The console output shows the program running successfully with the following input and output:

```
import java.util.Scanner;

public class Latihan09 {

    public static void main(String[] args) {
        Scanner myObj = new Scanner(System.in);
        Students students = new Students();

        System.out.print("Masukkan NPM Anda: "); students.setNpm(myObj.nextInt()); myObj.next();
        System.out.print("Masukkan Full Name Anda: "); students.setFullName(myObj.nextLine());
        System.out.print("Masukkan Class Name Anda: "); students.setClassName(myObj.nextLine());
        System.out.print("Masukkan Semester Anda: "); students.setSemester(myObj.nextInt());
        System.out.print("Masukkan GPA Anda: "); students.setGpa(myObj.nextFloat());

        System.out.println("\nResult:");
        System.out.print("NPM Anda: " + students.getNpm());
        System.out.print("\nFull Name Anda: " + students.getFullName());
        System.out.print("\nClass Name Anda: " + students.getClassName());
        System.out.print("\nSemester Anda: " + students.getSemester());
        System.out.print("\nGPA Anda: " + students.getGpa());

        myObj.close();
    }
}
```

Console Output:

```
<terminated>: Latihan09 [Java Application] C:\Users\User\p2\pool\plugins\org.eclipse.jdt.ui.openjdkh
Masukkan NPM Anda: 232310029
Masukkan Full Name Anda: Rama Tihara
Masukkan Class Name Anda: TI-23-KA
Masukkan Semester Anda: 3
Masukkan GPA Anda: 3,7

Result:
NPM Anda: 232310029
Full Name Anda: Rama Tihara
Class Name Anda: TI-23-KA
Semester Anda: 3
GPA Anda: 3,7
```

Result Latihan10

```
1 import java.util.Scanner;
2
3 public class Latihan10 {
4
5     static int harga = 6300;
6
7     static double subTotal(double total, int quantity) {
8         int diskon = (quantity / 3) * 5;
9         if (diskon > 100) {
10             diskon = 100;
11         }
12         return total - (total * diskon / 100.0);
13     }
14
15     public static void main(String[] args) {
16         Scanner myObj = new Scanner(System.in);
17         Students students = new Students();
18         LocalDateTime myObj2 = LocalDateTime.now();
19         int quantity;
20         double total;
21
22         System.out.println("=====");
23         System.out.println("TOKO SERBAGUNA IBIK");
24         System.out.println("=====");
25
26         System.out.print("Masukkan jumlah produk yang dibeli: "); quantity = myObj.nextInt();
27         System.out.print("Masukkan nama anda: "); students.setFullName(myObj.nextLine());
28
29         total = harga * quantity;
30
31         System.out.print("\n");
32         DateTimeFormatter formatter = DateTimeFormatter.ofPattern("dd MMM yyyy (HH:mm)");
33         String formattedDateTime = myObj2.format(formatter);
34         System.out.println(formattedDateTime);
35
36         System.out.println("ITEM          QTY  HARGA      TOTAL");
37         System.out.println("=====");
38         System.out.printf("%-16s %d Rp %7d,- Rp %18.00n", "ROTI ENAK", quantity, harga, (int)total);
39         System.out.println("-----");
40
41         double subtotal = subTotal(total, quantity);
42
43         int diskon = (quantity / 3) * 5;
44         System.out.printf("%-16s %d Rp %7d,- Rp %18.00n", "Diskon : 10%", diskon, subtotal, (int)subtotal);
45         System.out.println("-----");
46         System.out.println("Sub Total : Rp 39.690,-");
47         System.out.println("Member Name : Rama Tihara");
48     }
49 }
```

Console Output:

```
<terminated> [Latihan10 Java Application] C:\Users\User\p2\pool\plugins\org.eclipse.jdt.ui\openjdkh
=====
TOKO SERBAGUNA IBIK
=====
Masukkan jumlah produk yang dibeli: 7
Masukkan nama anda: Rama Tihara
10 Sept 2024 (11:45)
ITEM          QTY  HARGA      TOTAL
=====
ROTI ENAK      7 Rp  6.300,- Rp  44.100
-----
Diskon : 10%
Sub Total : Rp  39.690,-
Member Name : Rama Tihara
```