

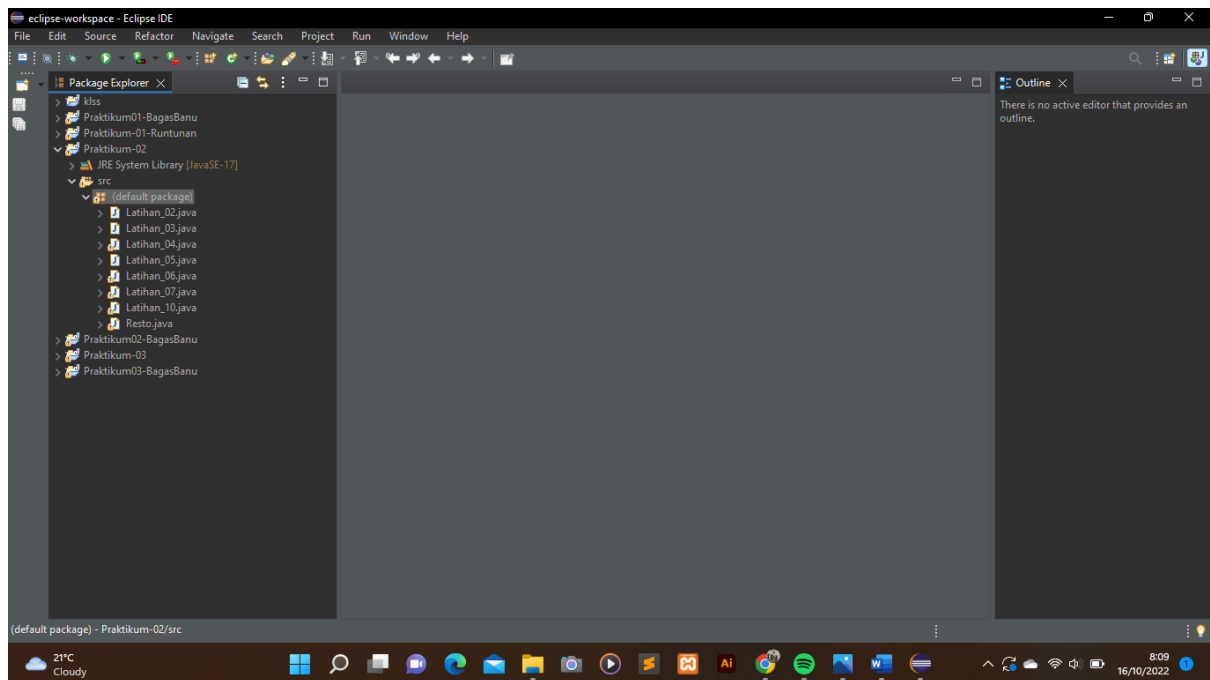
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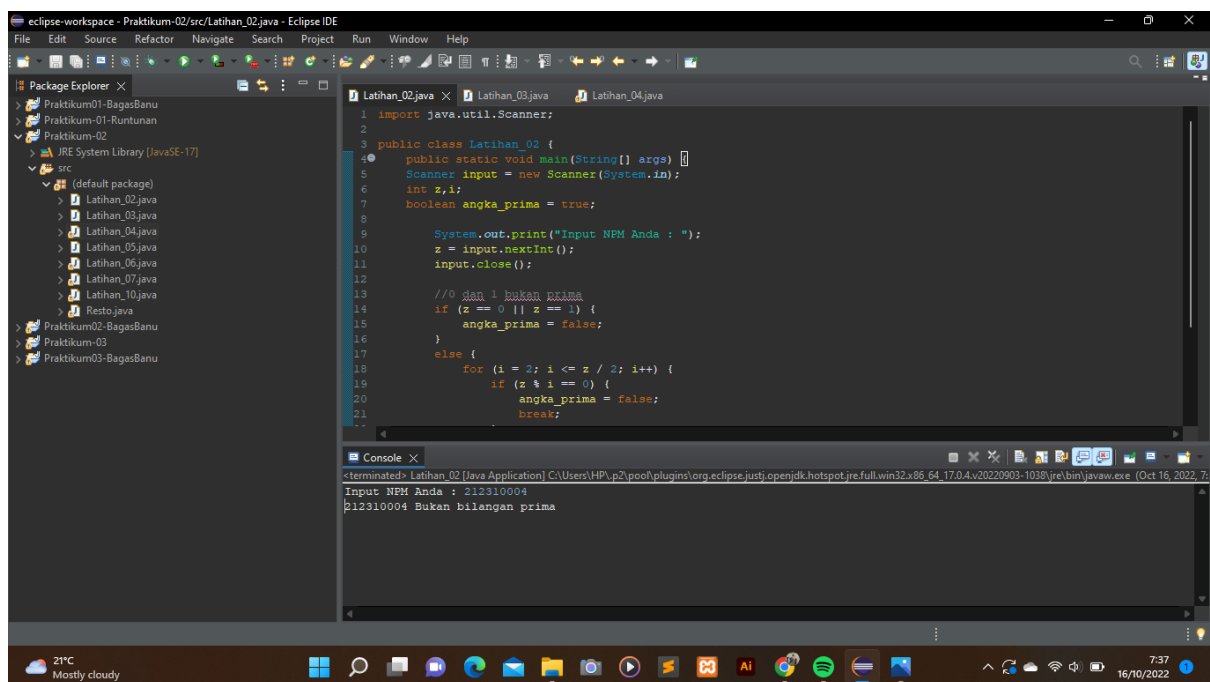
Kelas : TI-21-PA1

Tugas 2 Lab PBO

Latihan 1



Latihan 2



Latihan 3

The screenshot shows the Eclipse IDE with the file 'Latihan_03.java' open. The code is as follows:

```
1 import java.util.Scanner;
2
3 public class Latihan_03 {
4     public static void main(String[] args) {
5         int pilih;
6         Scanner input = new Scanner(System.in);
7
8         System.out.println("Menu Sarapan:");
9         System.out.println("1. Nasi Goreng");
10        System.out.println("2. Bubur Ayam");
11        System.out.println("3. Soto Ayam");
12        System.out.print("Masukkan Pilihan = ");
13        pilih = input.nextInt();
14        input.close();
15
16        if (pilih == 1) {
17            System.out.println("Anda memesan Nasi Goreng dengan harga Rp" +
18                "22.000,-");
19        } else if (pilih == 2) {
20            System.out.println("Anda memesan Bubur Ayam dengan harga Rp15.000,-");
21        } else if (pilih == 3) {
22            // ...
23        }
24    }
25 }
```

The console output shows the program's execution:

```
<terminated> Latihan_03 [Java Application] C:\Users\HP\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (Oct 16, 2022, 7:35)
Menu Sarapan:
1. Nasi Goreng
2. Bubur Ayam
3. Soto Ayam
Masukkan Pilihan = 1
Anda memesan Nasi Goreng dengan harga Rp
22.000,-
```

Latihan 4

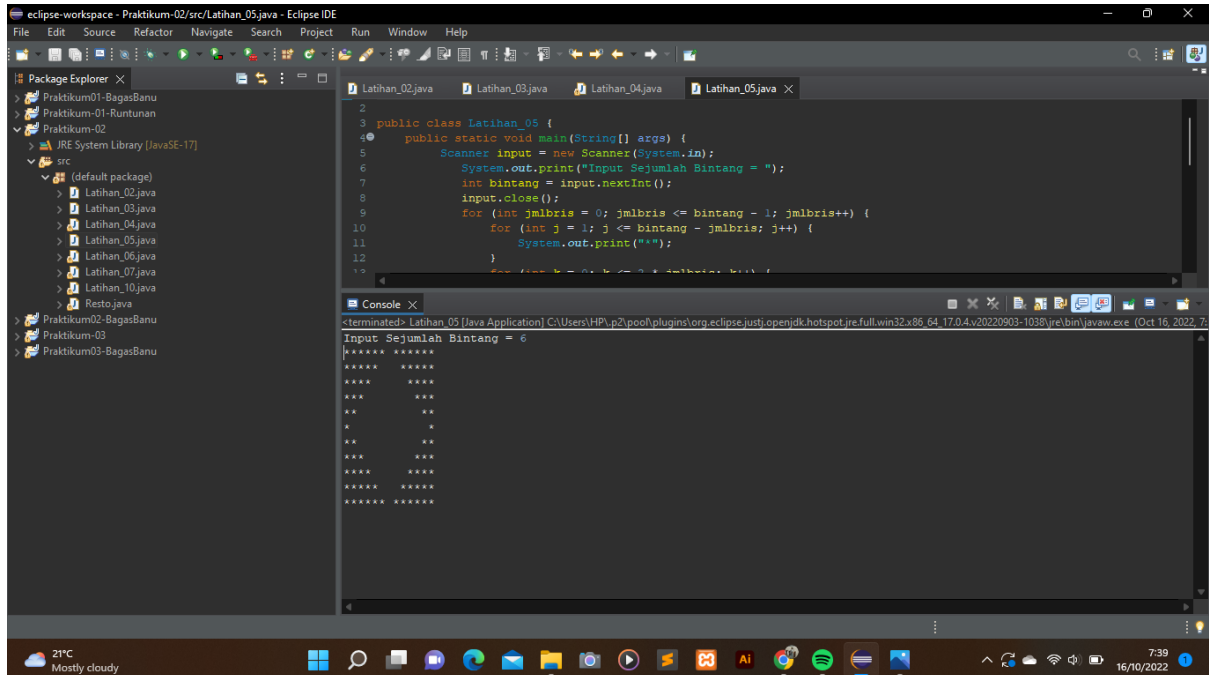
The screenshot shows the Eclipse IDE with the file 'Latihan_04.java' open. The code is as follows:

```
5 int angka;
6 Scanner input = new Scanner (System.in);
7
8 System.out.print("Masukkan Angka = ");
9 angka = input.nextInt();
10
11 faktorisasi(angka);
12
13 }
14
15 static void faktorisasi (int paramAngka) {
16     for (int i = 1; i <= paramAngka; i++) {
17         if (paramAngka % i == 0 && paramAngka != i) {
18             System.out.print(i + ",");
19         } else if (i == paramAngka && paramAngka % i == 0) {
20             System.out.print(i + " ");
21         } else {
22             System.out.print("");
23         }
24     }
25 }
```

The console output shows the program's execution:

```
<terminated> Latihan_04 [Java Application] C:\Users\HP\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (Oct 16, 2022, 7:36)
Masukkan Angka = 25
1,5,25
```

Latihan 5

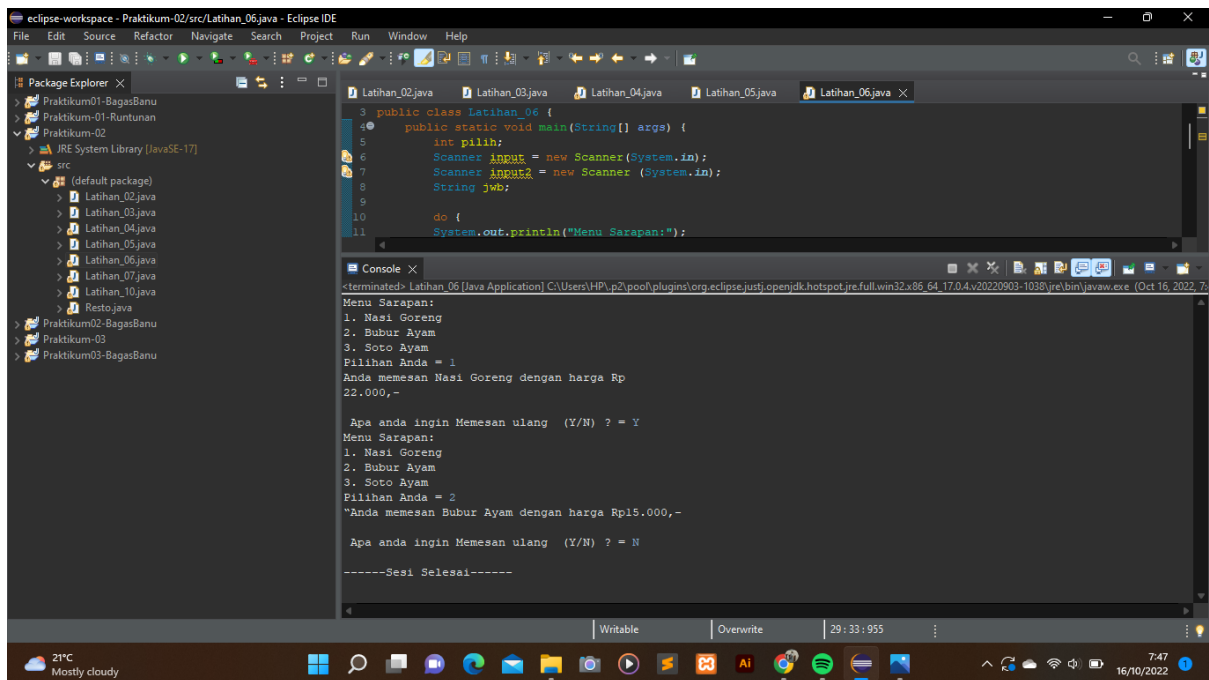


```
2
3 public class Latihan_05 {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6         System.out.print("Input Sejumlah Bintang = ");
7         int bintang = input.nextInt();
8         input.close();
9         for (int jmlbris = 0; jmlbris <= bintang - 1; jmlbris++) {
10             for (int j = 1; j <= bintang - jmlbris; j++) {
11                 System.out.print("*");
12             }
13             System.out.println();
14         }
15     }
16 }
```

Console Output:

```
<terminated> Latihan_05 [Java Application] C:\Users\HP\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (Oct 16, 2022, 7:
Input Sejumlah Bintang = 6
*****
*****
****
***
**
*
*
*
*
*
*****
```

Latihan 6



```
3 public class Latihan_06 {
4     public static void main(String[] args) {
5         int pilih;
6         Scanner input = new Scanner(System.in);
7         Scanner input2 = new Scanner(System.in);
8         String jwb;
9
10        do {
11            System.out.println("Menu Sarapan:");
12        } while (true);
```

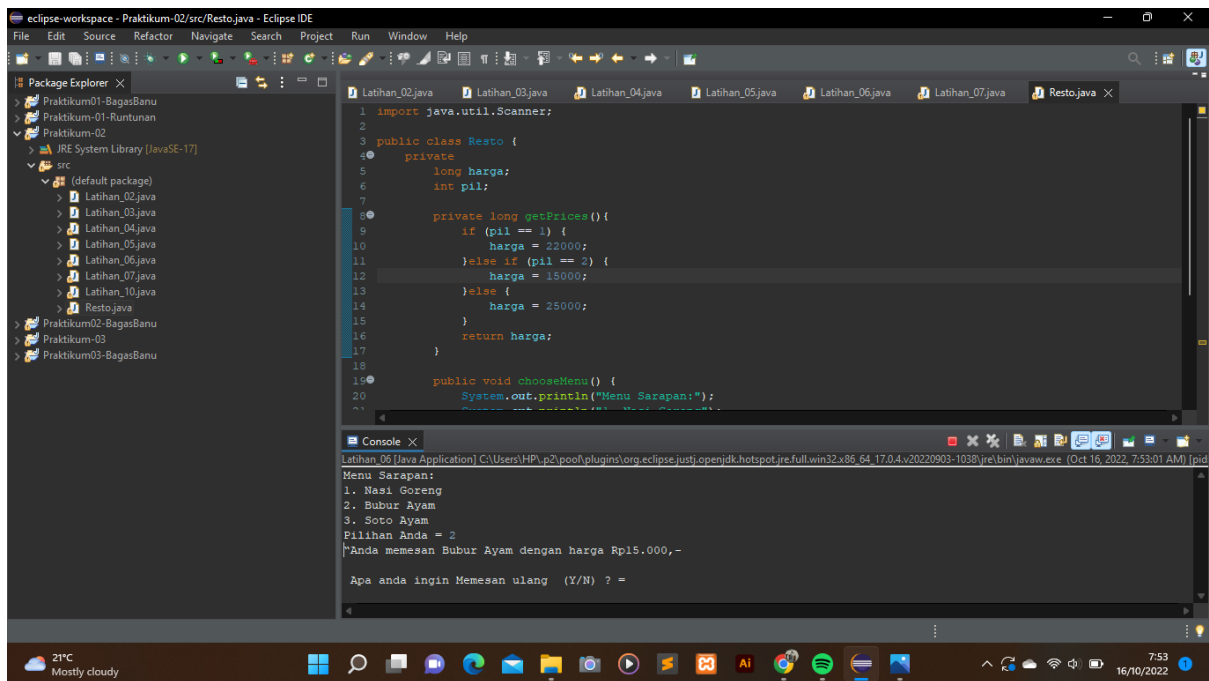
Console Output:

```
<terminated> Latihan_06 [Java Application] C:\Users\HP\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (Oct 16, 2022, 7:
Menu Sarapan:
1. Nasi Goreng
2. Bubur Ayam
3. Soto Ayam
Pilihan Anda = 1
Anda memesan Nasi Goreng dengan harga Rp
22.000,-

Apa anda ingin Memesan ulang (Y/N) ? = Y
Menu Sarapan:
1. Nasi Goreng
2. Bubur Ayam
3. Soto Ayam
Pilihan Anda = 2
Anda memesan Bubur Ayam dengan harga Rp15.000,-

Apa anda ingin Memesan ulang (Y/N) ? = N
-----Sesi Selesai-----
```

Latihan 7/ Resto

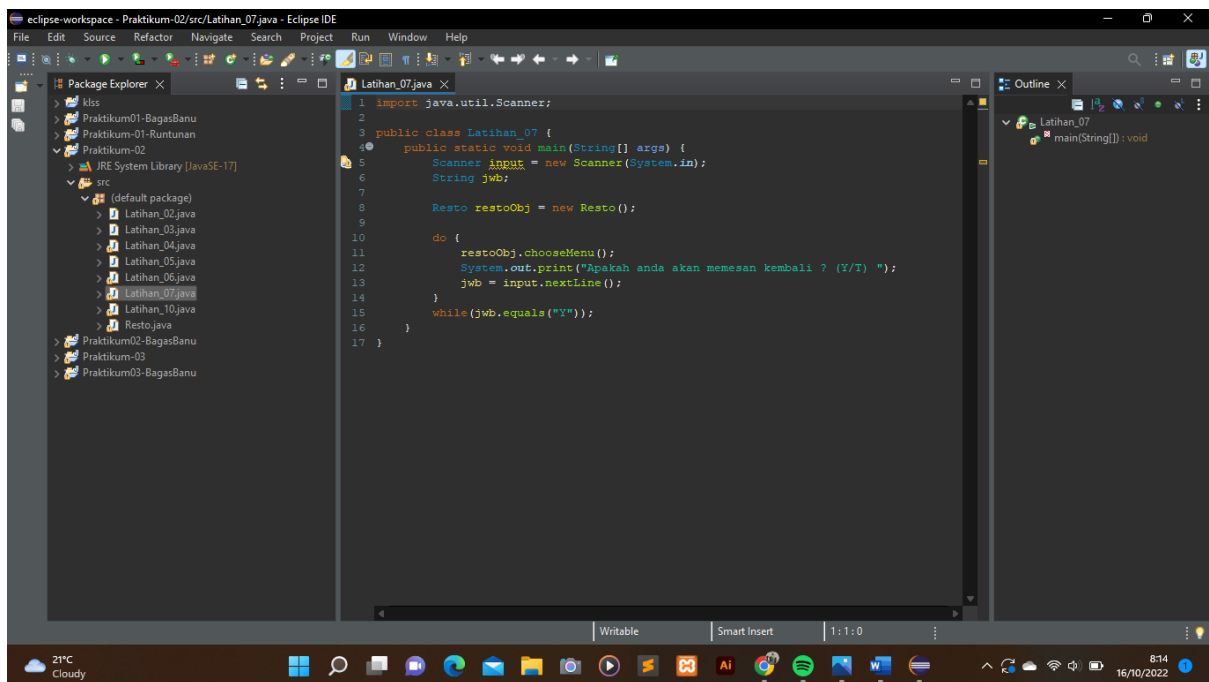


The screenshot shows the Eclipse IDE with the `Resto.java` file open. The code defines a `Resto` class with a `getPrices()` method that returns an array of prices for different menu items. The console output shows the program running and displaying the menu items and their prices.

```
1 import java.util.Scanner;
2
3 public class Resto {
4     private
5     long harga;
6     int pil;
7
8     private long getPrices() {
9         if (pil == 1) {
10             harga = 22000;
11         } else if (pil == 2) {
12             harga = 15000;
13         } else {
14             harga = 25000;
15         }
16         return harga;
17     }
18
19     public void chooseMenu() {
20         System.out.println("Menu Sarapan:");
21         System.out.println("1. Nasi Goreng");
22         System.out.println("2. Bubur Ayam");
23         System.out.println("3. Soto Ayam");
24         System.out.println("Pilihan Anda = ");
25         Scanner scanner = new Scanner(System.in);
26         int pil = scanner.nextInt();
27         long harga = getPrices();
28         System.out.println("Anda memesan Bubur Ayam dengan harga Rp15.000,-");
29         System.out.println("Apa anda ingin Memesan ulang (Y/N) ? = ");
30     }
31 }
```

Console Output:

```
[Latihan_06 [Java Application]] C:\Users\HP\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (Oct 16, 2022, 7:53:01 AM) [pid
Menu Sarapan:
1. Nasi Goreng
2. Bubur Ayam
3. Soto Ayam
Pilihan Anda = 2
Anda memesan Bubur Ayam dengan harga Rp15.000,-
Apa anda ingin Memesan ulang (Y/N) ? =
```



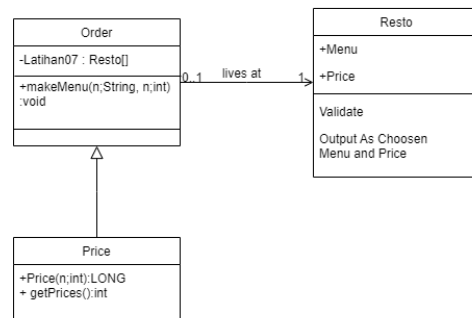
The screenshot shows the Eclipse IDE with the `Latihan_07.java` file open. The code defines a `Latihan_07` class with a `main` method that creates a `Resto` object and calls its `chooseMenu` method. The Outline view on the right shows the structure of the `Latihan_07` class.

```
1 import java.util.Scanner;
2
3 public class Latihan_07 {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6         String jwb;
7
8         Resto restoObj = new Resto();
9
10        do {
11            restoObj.chooseMenu();
12            System.out.print("Apakah anda akan memesan kembali ? (Y/T) ");
13            jwb = input.nextLine();
14        } while (jwb.equals("Y"));
15    }
16 }
17 }
```

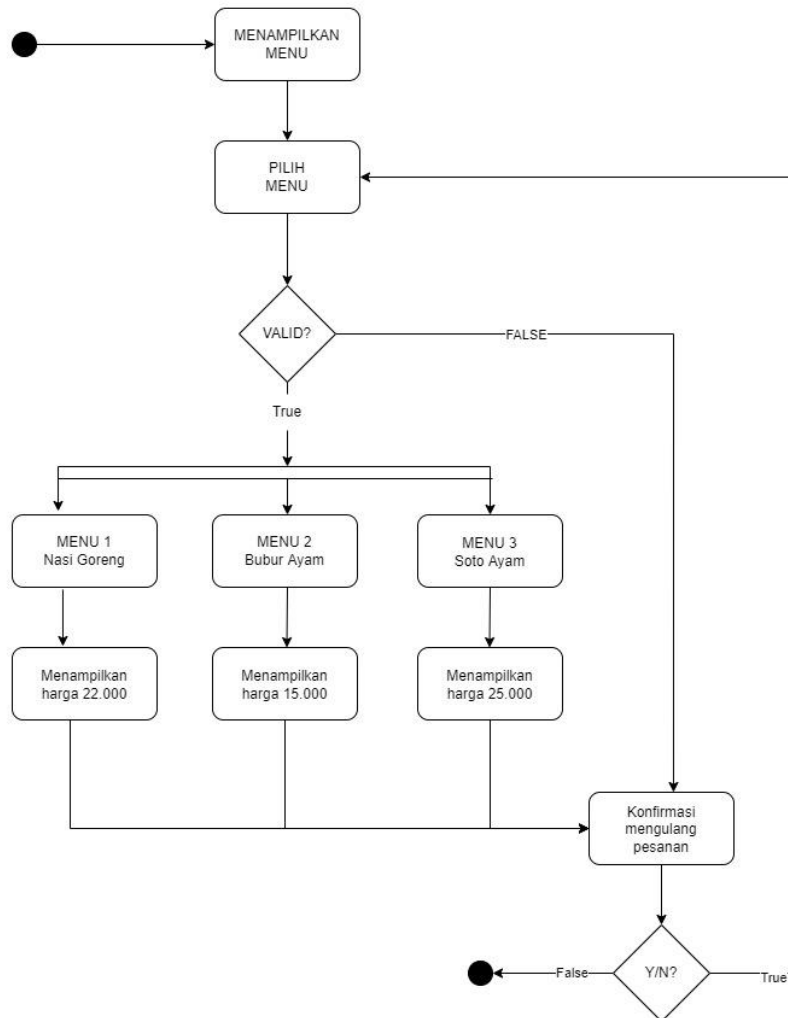
Outline View:

```
Latihan_07
├── main(String[]): void
```

Latihan 8 / class diagram



Latihan 9/ activity diagram



Latihan 10

The screenshot shows the Eclipse IDE interface. The Package Explorer on the left lists the project structure, including 'Praktikum02-BagasBanu' and 'Praktikum03-BagasBanu'. The main editor displays the code for 'Latihan_10.java'. The code is a Java class with a 'main' method that uses a 'Scanner' to take user input. It simulates a banking system where the user enters a PIN and selects a menu option (1. Lihat Saldo, 2. Setor Tunai, 3. Tarik Tunai, 4. Keluar). The console at the bottom shows the output of the program, including the PIN input and the menu selection.

```
1 import java.util.Scanner;
2
3 public class Latihan_10 {
4     public static void main(String[] args) {
5         int pin,saldo = 150,sektor,tarik;
6         String jwb = "";
7         Scanner input = new Scanner(System.in);
8         Scanner input_jwb = new Scanner(System.in);
9
10        do {
11            System.out.println("Masukkan PIN = ");
12            pin = input.nextInt();
13        }while(pin != 212310004);
14
15        do {
16            System.out.println("Masukkan Menu");
17            System.out.println("1. Lihat Saldo");
18            System.out.println("2. Setor Tunai");
19            System.out.println("3. Tarik Tunai");
20            System.out.println("4. Keluar");
21        }while(jwb != "4");
22    }
23 }
```

Console Output:

```
<terminated> Latihan_10 [Java Application] C:\Users\HPA\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (Oct 16, 2022, 7:54:15 AM)
Masukkan PIN = 212310004
Masukkan Menu
1. Lihat Saldo
2. Setor Tunai
3. Tarik Tunai
4. Keluar
Masukkan Pilihan = 1
150
```