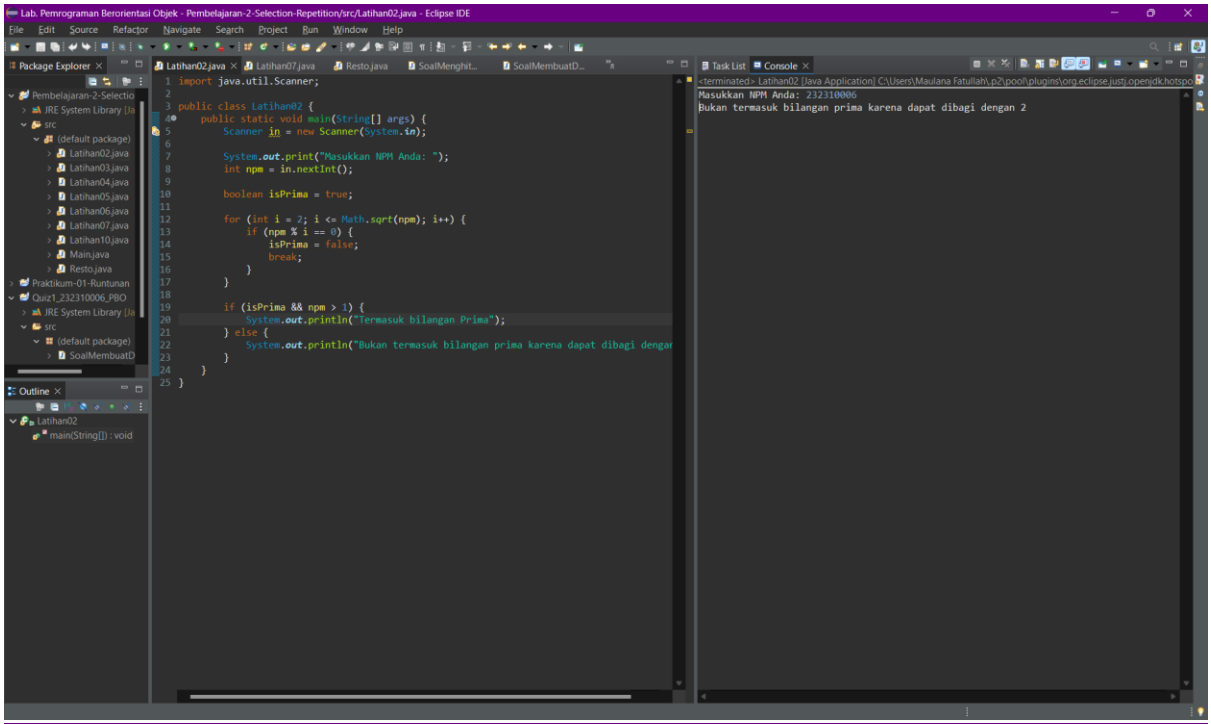
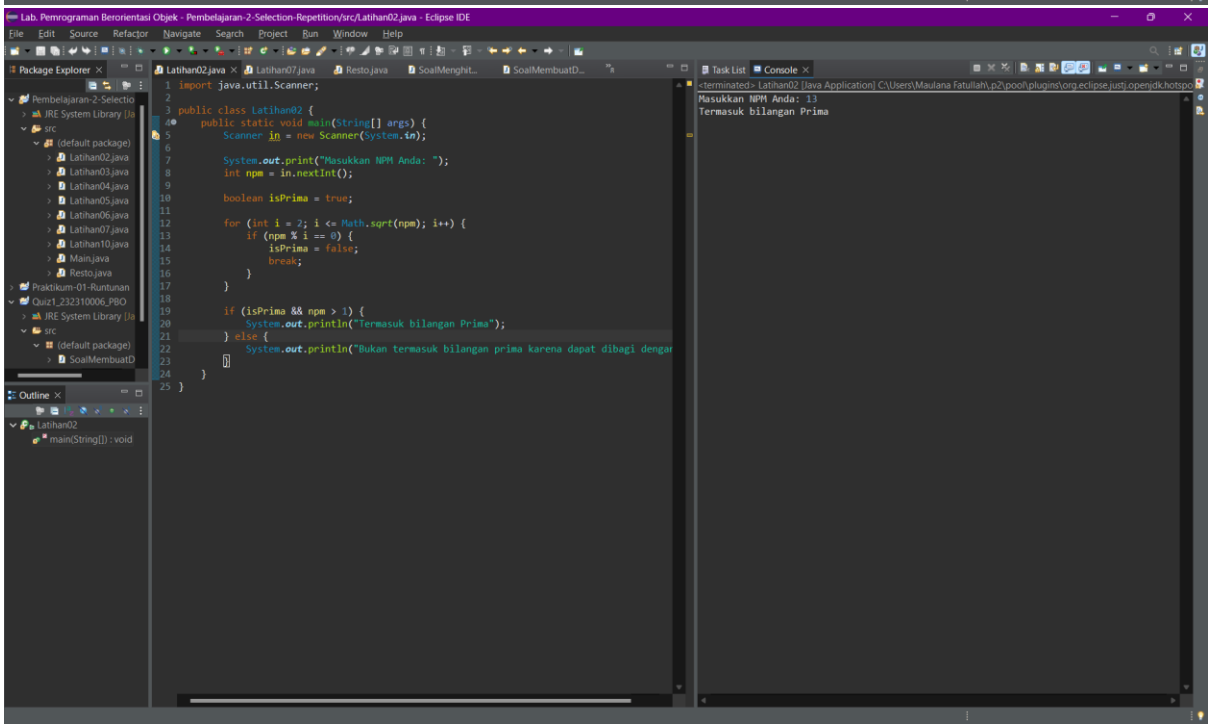
Nama: Maulana Fatullah – 232310006

Kelas: TI-23-KA

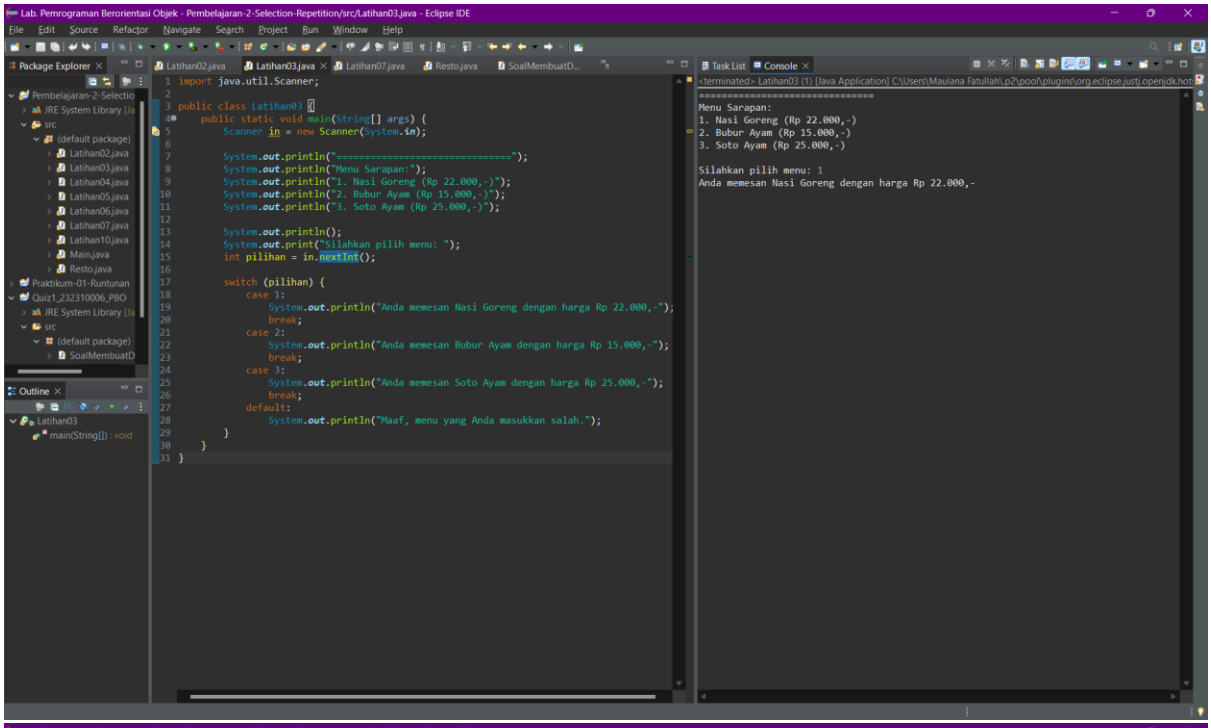
Prodi: Teknologi Informasi

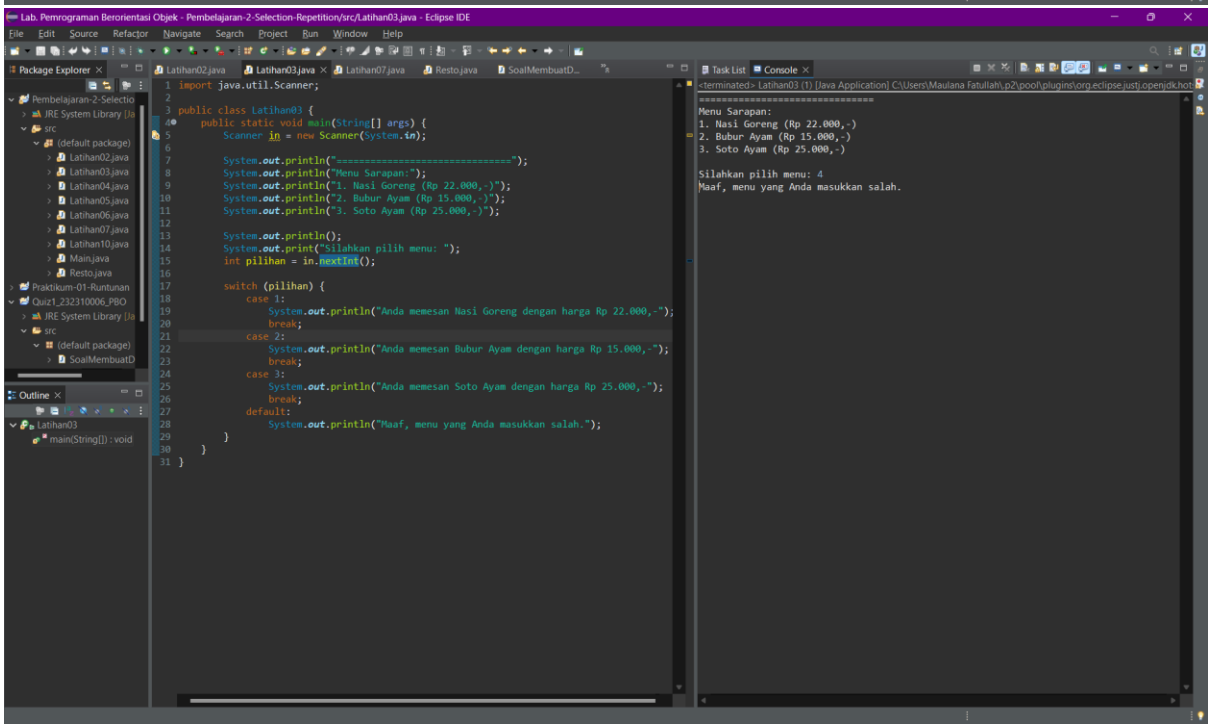
1. Latihan02



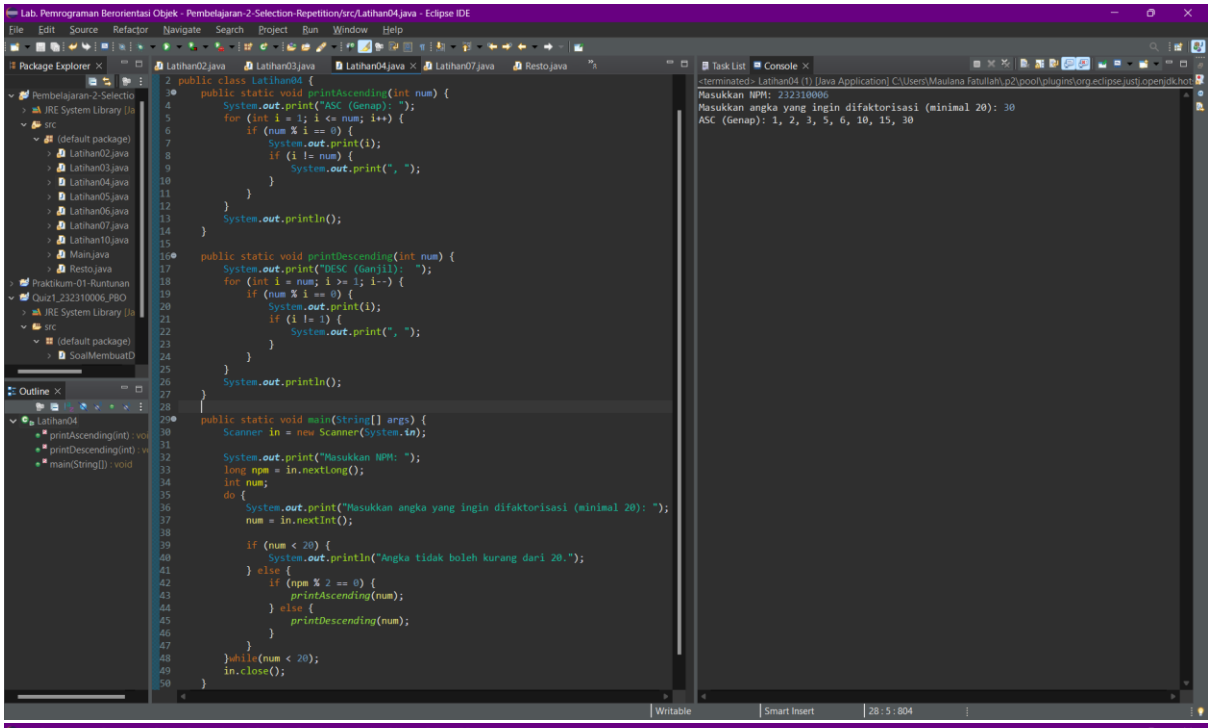


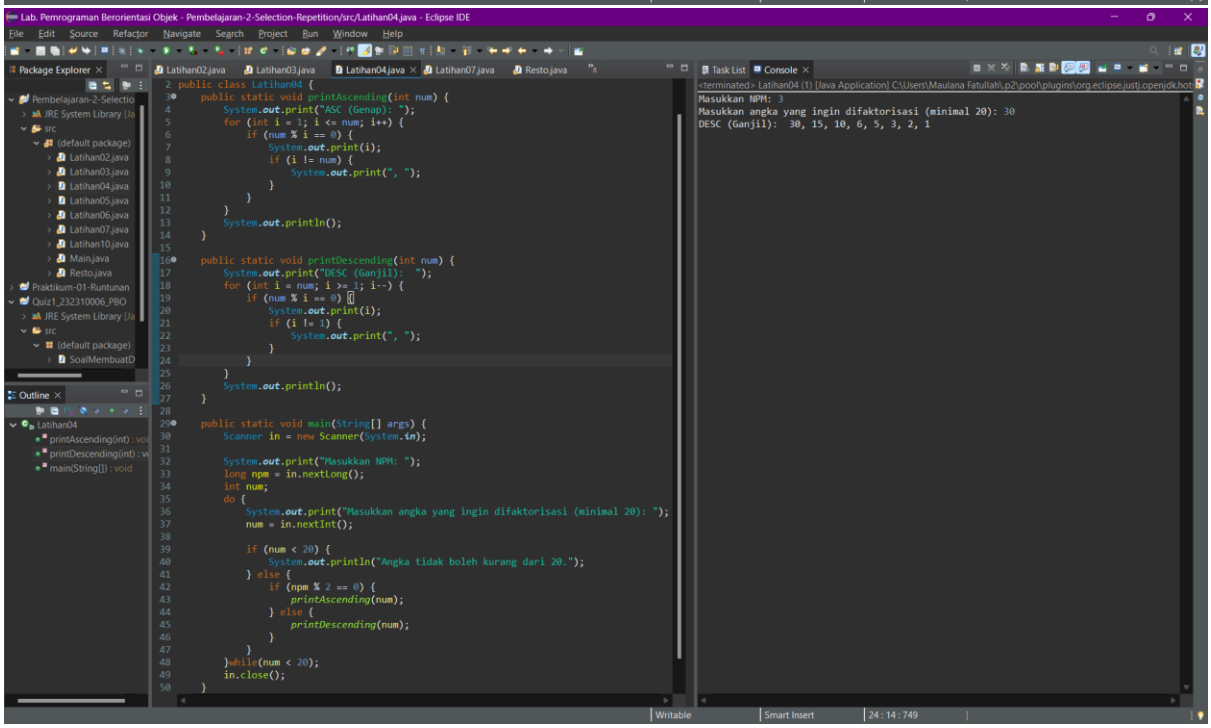
2. Latihan03


Lab. Pemrograman Berorientasi Objek - Pembelajaran-2-Selection-Repetition/src/Latihan03.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Latihan02.java
Latihan03.java
Latihan07.java
Resto.java
SoalMembuatD...
Outline
Latihan03
main(String[]) : void
Task List
Console
<terminated> Latihan03 (1) [Java Application] C:\Users\Maulana Fatullah\.p2\pool\plugins\org.eclipse.justj.openjdk.hot
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)
Silahkan pilih menu: 1
Anda memesan Nasi Goreng dengan harga Rp 22.000,-

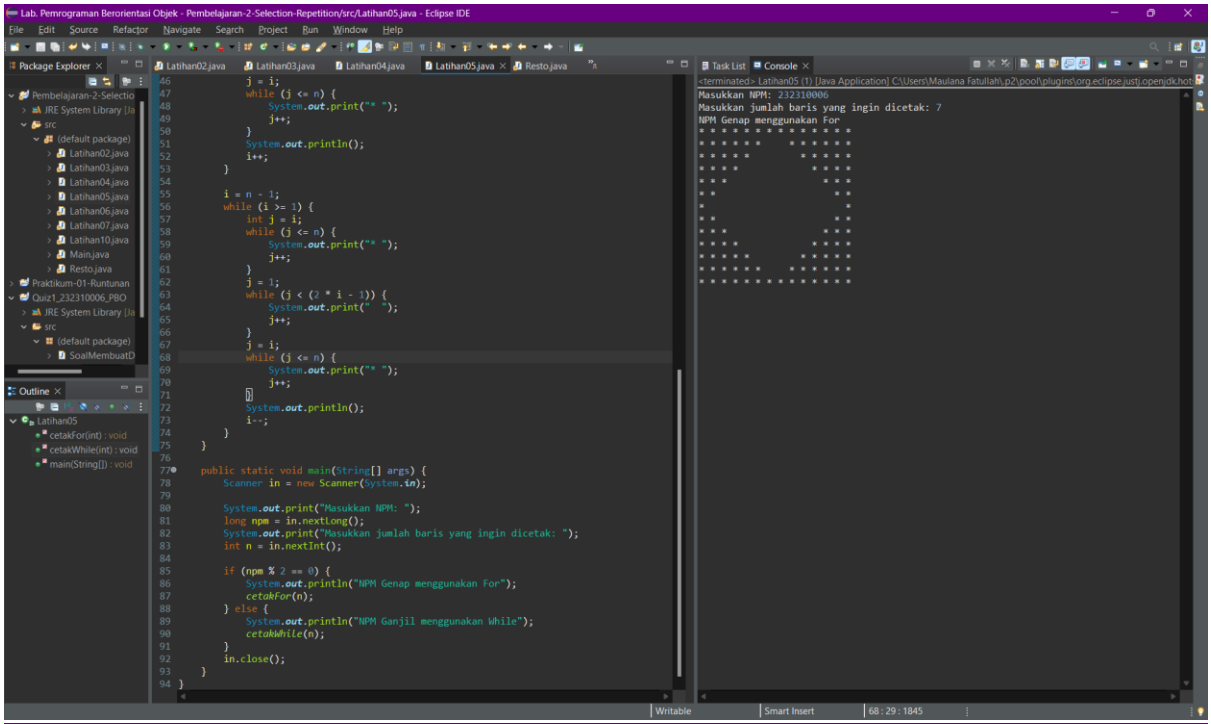

Lab. Pemrograman Berorientasi Objek - Pembelajaran-2-Selection-Repetition/src/Latihan03.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Latihan02.java
Latihan03.java
Latihan07.java
Resto.java
SoalMembuatD...
Outline
Latihan03
main(String[]) : void
Task List
Console
<terminated> Latihan03 (1) [Java Application] C:\Users\Maulana Fatullah\.p2\pool\plugins\org.eclipse.justj.openjdk.hot
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)
Silahkan pilih menu: 4
Maaf, menu yang Anda masukkan salah.

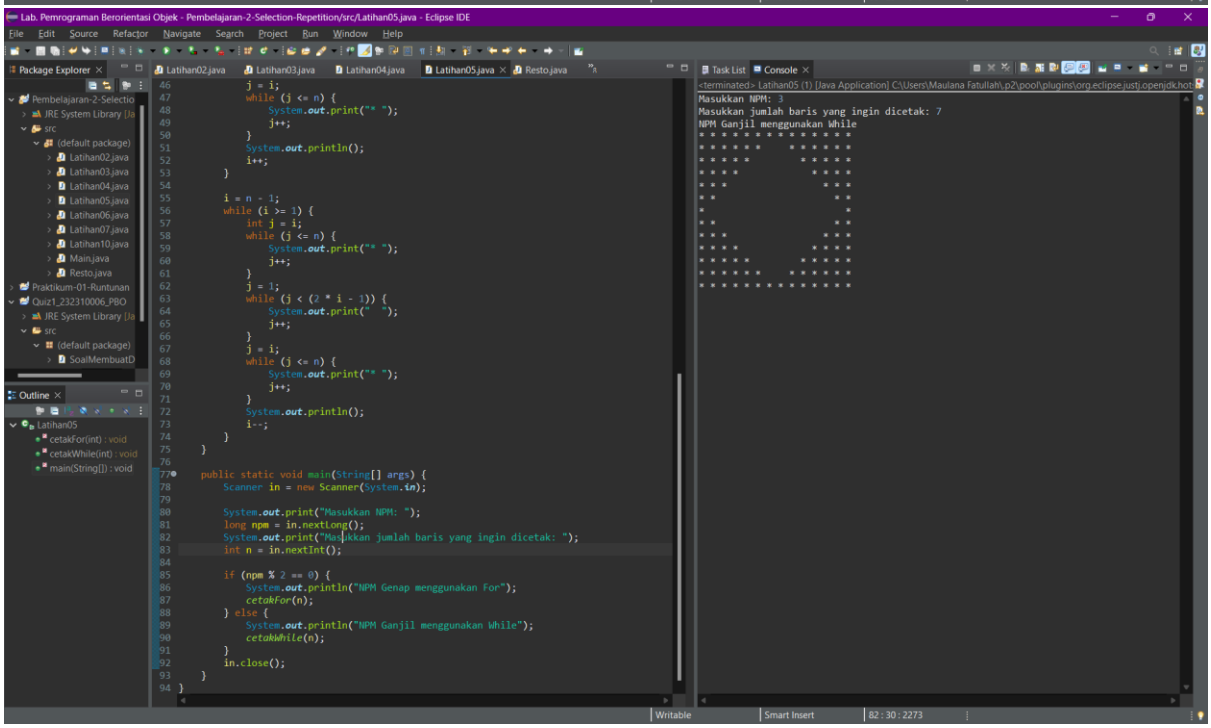
3. Latihan04


Lab. Pemrograman Berorientasi Objek - Pembelajaran-2-Selection-Repetition/src/Latihan04.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Latihan02.java Latihan03.java Latihan04.java Latihan07.java Resto.java
public class Latihan04 {
public static void printAscending(int num) {
System.out.print("ASC (Genap): ");
for (int i = 1; i <= num; i++) {
if (num % i == 0) {
System.out.print(i);
if (i != num) {
System.out.print(", ");
}
}
}
System.out.println();
}
public static void printDescending(int num) {
System.out.print("DESC (Ganjil): ");
for (int i = num; i >= 1; i--) {
if (num % i == 0) {
System.out.print(i);
if (i != 1) {
System.out.print(", ");
}
}
}
System.out.println();
}
public static void main(String[] args) {
Scanner in = new Scanner(System.in);
System.out.print("Masukkan NPM: ");
long npm = in.nextLong();
int num;
do {
System.out.print("Masukkan angka yang ingin difaktorisasi (minimal 20): ");
num = in.nextInt();
if (num < 20) {
System.out.println("Angka tidak boleh kurang dari 20.");
} else {
if (npm % 2 == 0) {
printAscending(num);
} else {
printDescending(num);
}
}
}while(num < 20);
in.close();
}
Outline
Latihan04
printAscending(int) : void
printDescending(int) : void
main(String[]) : void
Task List Console
<terminated> Latihan04 (1) [Java Application] C:\Users\Maulana Fatullah\.p2\pool\plugins\org.eclipse.justj.openjdk.hot
Masukkan NPM: 232310006
Masukkan angka yang ingin difaktorisasi (minimal 20): 30
ASC (Genap): 1, 2, 3, 5, 6, 10, 15, 30
Writable
Smart Insert
28 : 5 : 804

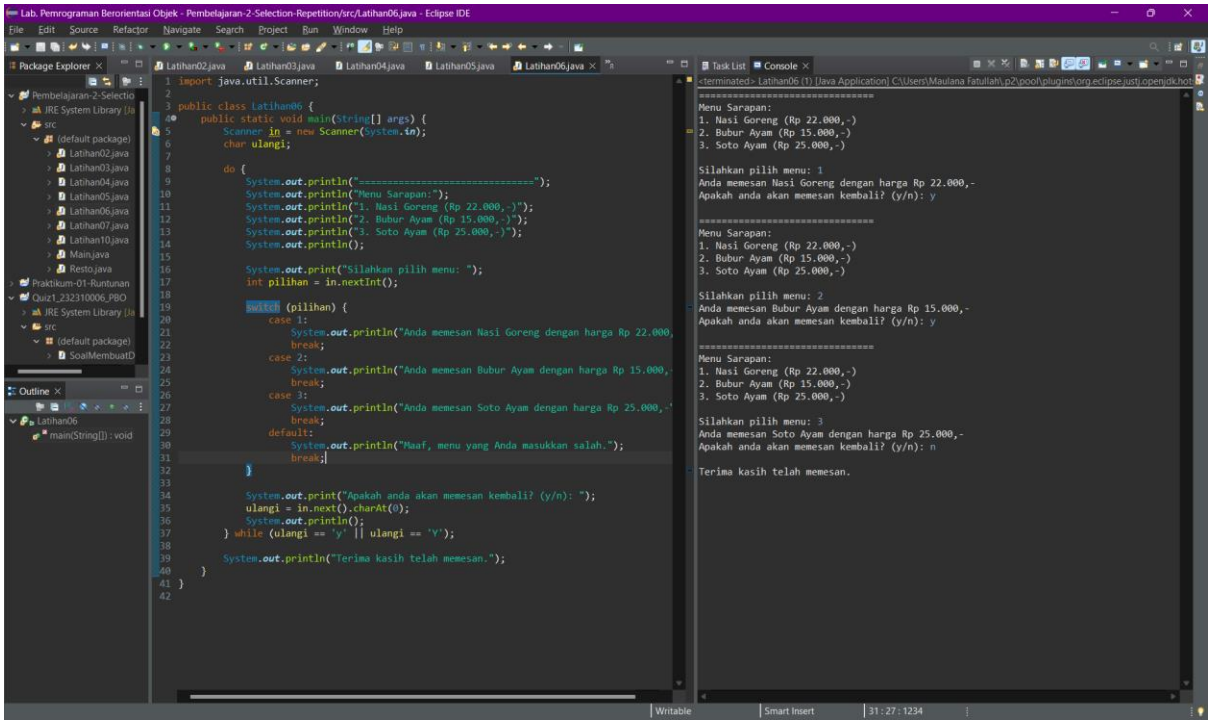

Lab. Pemrograman Berorientasi Objek - Pembelajaran-2-Selection-Repetition/src/Latihan04.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Latihan02.java Latihan03.java Latihan04.java Latihan07.java Resto.java
public class Latihan04 {
public static void printAscending(int num) {
System.out.print("ASC (Genap): ");
for (int i = 1; i <= num; i++) {
if (num % i == 0) {
System.out.print(i);
if (i != num) {
System.out.print(", ");
}
}
}
System.out.println();
}
public static void printDescending(int num) {
System.out.print("DESC (Ganjil): ");
for (int i = num; i >= 1; i--) {
if (num % i == 0) {
System.out.print(i);
if (i != 1) {
System.out.print(", ");
}
}
}
System.out.println();
}
public static void main(String[] args) {
Scanner in = new Scanner(System.in);
System.out.print("Masukkan NPM: ");
long npm = in.nextLong();
int num;
do {
System.out.print("Masukkan angka yang ingin difaktorisasi (minimal 20): ");
num = in.nextInt();
if (num < 20) {
System.out.println("Angka tidak boleh kurang dari 20.");
} else {
if (npm % 2 == 0) {
printAscending(num);
} else {
printDescending(num);
}
}
}while(num < 20);
in.close();
}
Outline
Latihan04
printAscending(int) : void
printDescending(int) : void
main(String[]) : void
Task List Console
<terminated> Latihan04 (1) [Java Application] C:\Users\Maulana Fatullah\.p2\pool\plugins\org.eclipse.justj.openjdk.hot
Masukkan NPM: 3
Masukkan angka yang ingin difaktorisasi (minimal 20): 30
DESC (Ganjil): 30, 15, 10, 6, 5, 3, 2, 1
Writable
Smart Insert
24 : 14 : 749

4. Latihan05


Lab. Pemrograman Berorientasi Objek - Pembelajaran-2-Selection-Repetition/src/Latihan05.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Latihan02.java Latihan03.java Latihan04.java Latihan05.java Resto.java
Outline
Latihan05
cetakFor(int) : void
cetakWhile(int) : void
main(String[]) : void
Task List Console
<terminated> Latihan05 (1) [Java Application] C:\Users\Maulana Fatullah\.p2\pool\plugins\org.eclipse.justj.openjdk.hot
Masukkan NPM: 232310006
Masukkan jumlah baris yang ingin dicetak: 7
NPM Genap menggunakan For
Writable
Smart Insert
68 : 29 : 1845


Lab. Pemrograman Berorientasi Objek - Pembelajaran-2-Selection-Repetition/src/Latihan05.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Latihan02.java Latihan03.java Latihan04.java Latihan05.java Resto.java
Outline
Latihan05
cetakFor(int) : void
cetakWhile(int) : void
main(String[]) : void
Task List Console
<terminated> Latihan05 (1) [Java Application] C:\Users\Maulana Fatullah\.p2\pool\plugins\org.eclipse.justj.openjdk.hot
Masukkan NPM: 3
Masukkan jumlah baris yang ingin dicetak: 7
NPM Ganjil menggunakan While
Writable
Smart Insert
82 : 30 : 2273

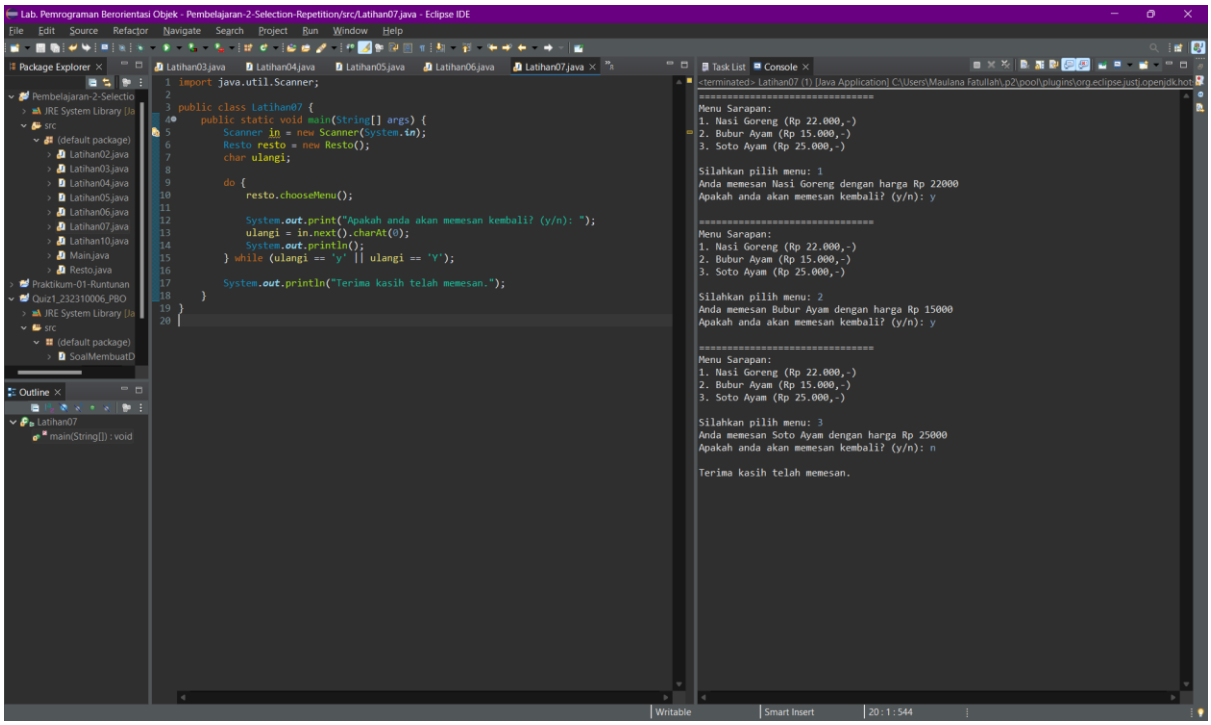
5. Latihan06




```
import java.util.Scanner;

public class Latihan06 {
    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        char ulangi;

        do {
            System.out.println("==============================");
            System.out.println("Menu Sarapan:");
            System.out.println("1. Nasi Goreng (Rp 22.000,-)");
            System.out.println("2. Bubur Ayam (Rp 15.000,-)");
            System.out.println("3. Soto Ayam (Rp 25.000,-)");
            System.out.println();

            System.out.print("Silahkan pilih menu: ");
            int pilihan = in.nextInt();

            switch (pilihan) {
                case 1:
                    System.out.println("Anda memesan Nasi Goreng dengan harga Rp 22.000,
                    break;
                case 2:
                    System.out.println("Anda memesan Bubur Ayam dengan harga Rp 15.000,
                    break;
                case 3:
                    System.out.println("Anda memesan Soto Ayam dengan harga Rp 25.000,-
                    break;
                default:
                    System.out.println("Maaf, menu yang Anda masukkan salah.");
                    break;
            }

            System.out.print("Apakah anda akan memesan kembali? (y/n): ");
            ulangi = in.next().charAt(0);
            System.out.println();
        } while (ulangi == 'y' || ulangi == 'Y');

        System.out.println("Terima kasih telah memesan.");
    }
}
```

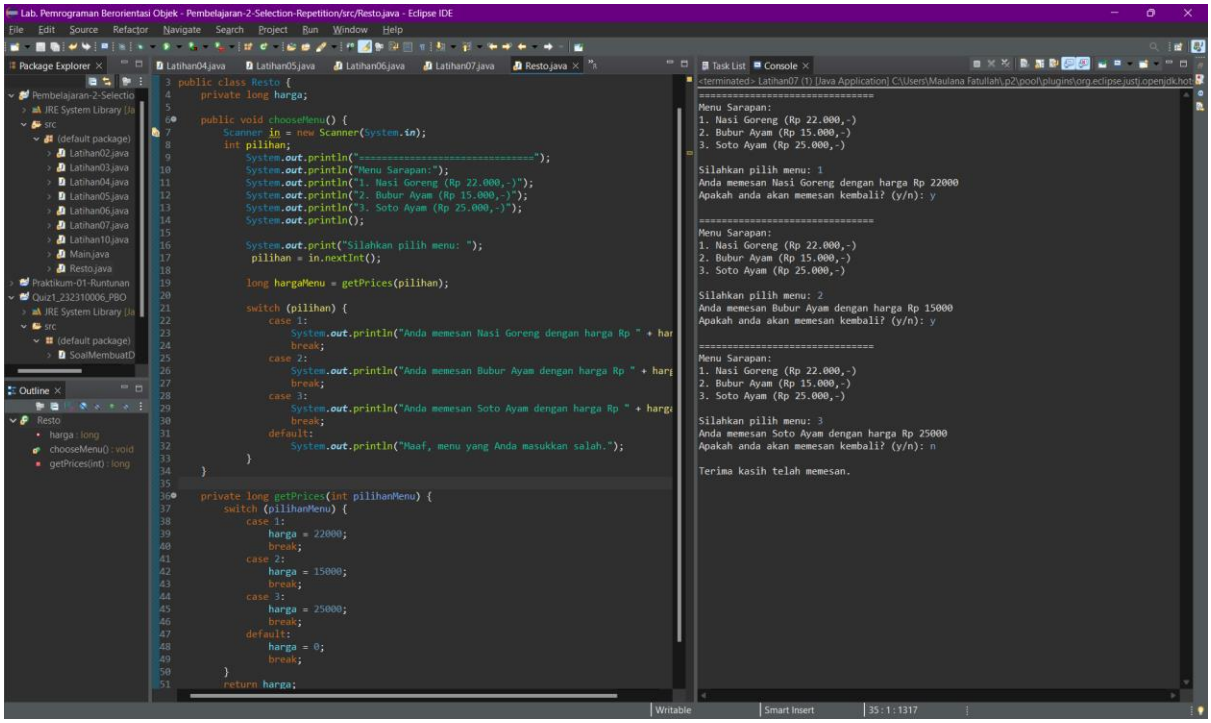
```
<terminated> Latihan06 (1) [Java Application] C:\Users\Maulana Fatullah\.p2\pool\plugins\org.eclipse.justj.openjdk.hot
==============================
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)

Silahkan pilih menu: 1
Anda memesan Nasi Goreng dengan harga Rp 22.000,-
Apakah anda akan memesan kembali? (y/n): y

==============================
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)

Silahkan pilih menu: 2
Anda memesan Bubur Ayam dengan harga Rp 15.000,-
Apakah anda akan memesan kembali? (y/n): y

==============================
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)

Silahkan pilih menu: 3
Anda memesan Soto Ayam dengan harga Rp 25.000,-
Apakah anda akan memesan kembali? (y/n): n

Terima kasih telah memesan.
```

6. Latihan07




```
import java.util.Scanner;

public class Latihan07 {
    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        Resto resto = new Resto();
        char ulangi;

        do {
            resto.chooseMenu();

            System.out.print("Apakah anda akan memesan kembali? (y/n): ");
            ulangi = in.next().charAt(0);
            System.out.println();
        } while (ulangi == 'y' || ulangi == 'Y');

        System.out.println("Terima kasih telah memesan.");
    }
}
```

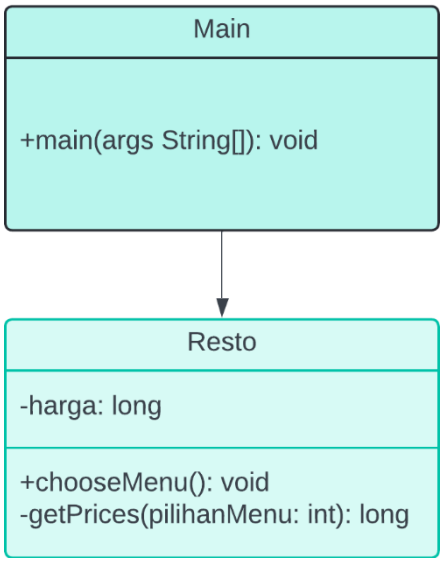
```
<terminated> Latihan07 (1) [Java Application] C:\Users\Maulana Fatullah\.p2\pool\plugins\org.eclipse.justj.openjdk.hot
==============================
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)

Silahkan pilih menu: 1
Anda memesan Nasi Goreng dengan harga Rp 22000
Apakah anda akan memesan kembali? (y/n): y

==============================
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)

Silahkan pilih menu: 2
Anda memesan Bubur Ayam dengan harga Rp 15000
Apakah anda akan memesan kembali? (y/n): y

==============================
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)

Silahkan pilih menu: 3
Anda memesan Soto Ayam dengan harga Rp 25000
Apakah anda akan memesan kembali? (y/n): n

Terima kasih telah memesan.
```



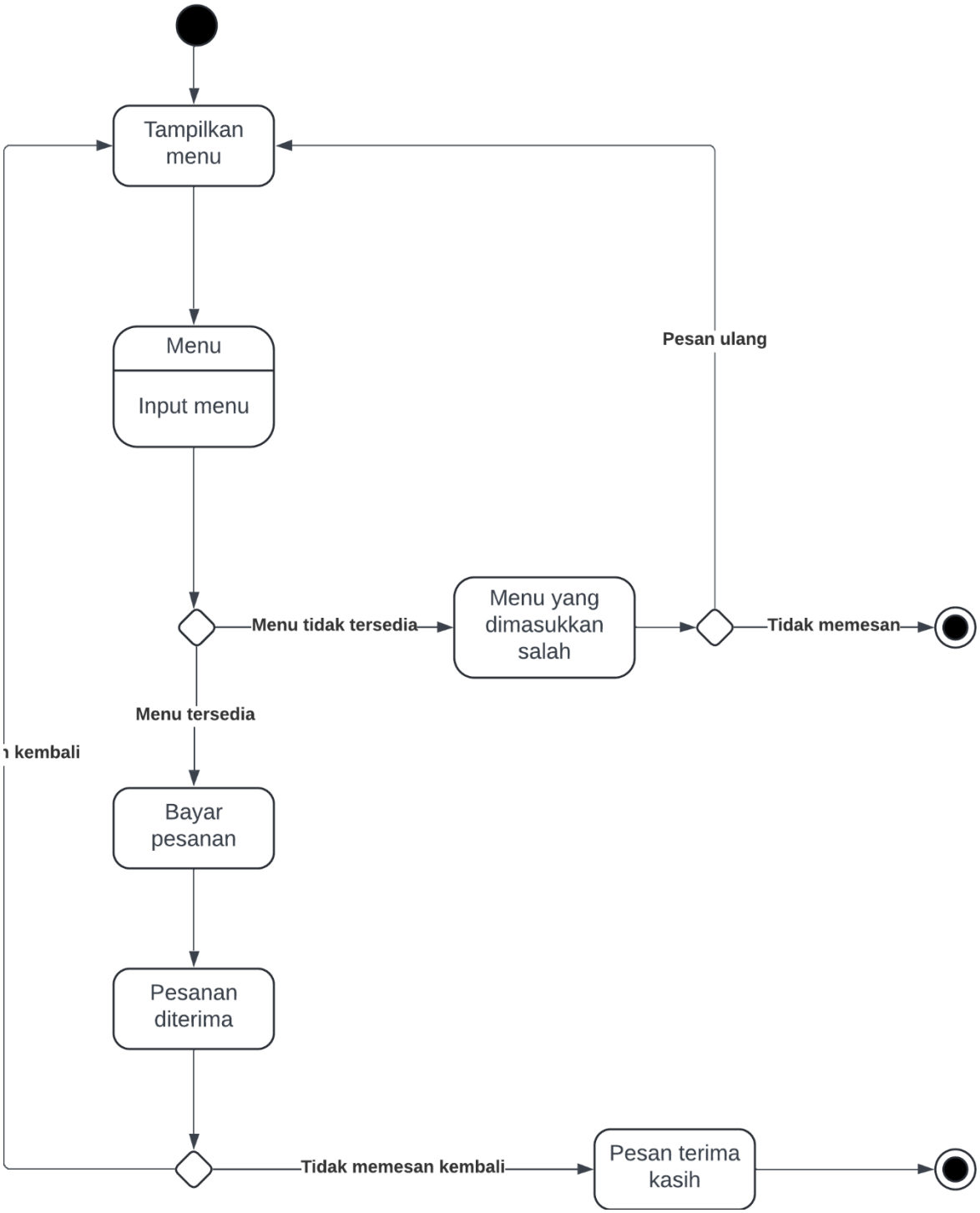

```
public class Resto {
    private long harga;

    public void chooseMenu() {
        Scanner in = new Scanner(System.in);
        int pilihan;
            System.out.println("============================");
            System.out.println("Menu Sarapan:");
            System.out.println("1. Nasi Goreng (Rp 22.000,-)");
            System.out.println("2. Bubur Ayam (Rp 15.000,-)");
            System.out.println("3. Soto Ayam (Rp 25.000,-)");
            System.out.println();

            System.out.print("Silahkan pilih menu: ");
             pilihan = in.nextInt();

            long hargaMenu = getPrices(pilihan);

            switch (pilihan) {
                case 1:
                    System.out.println("Anda memesan Nasi Goreng dengan harga Rp " + har
                    break;
                case 2:
                    System.out.println("Anda memesan Bubur Ayam dengan harga Rp " + harg
                    break;
                case 3:
                    System.out.println("Anda memesan Soto Ayam dengan harga Rp " + harg
                    break;
                default:
                    System.out.println("Maaf, menu yang Anda masukkan salah.");
            }
    }

    private long getPrices(int pilihanMenu) {
        switch (pilihanMenu) {
            case 1:
                harga = 22000;
                break;
            case 2:
                harga = 15000;
                break;
            case 3:
                harga = 25000;
                break;
            default:
                harga = 0;
                break;
        }
        return harga;
```

```
============================
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)

Silahkan pilih menu: 1
Anda memesan Nasi Goreng dengan harga Rp 22000
Apakah anda akan memesan kembali? (y/n): y

============================
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)

Silahkan pilih menu: 2
Anda memesan Bubur Ayam dengan harga Rp 15000
Apakah anda akan memesan kembali? (y/n): y

============================
Menu Sarapan:
1. Nasi Goreng (Rp 22.000,-)
2. Bubur Ayam (Rp 15.000,-)
3. Soto Ayam (Rp 25.000,-)

Silahkan pilih menu: 3
Anda memesan Soto Ayam dengan harga Rp 25000
Apakah anda akan memesan kembali? (y/n): n

Terima kasih telah memesan.
```

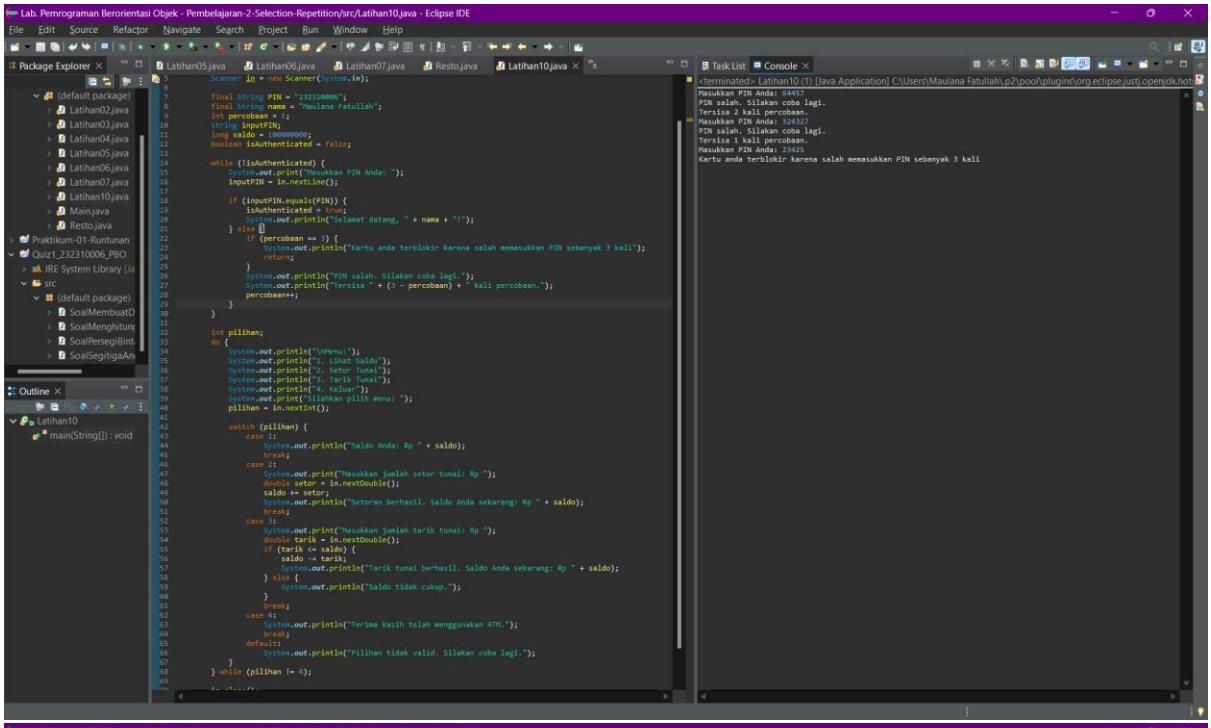
7. Class Diagram

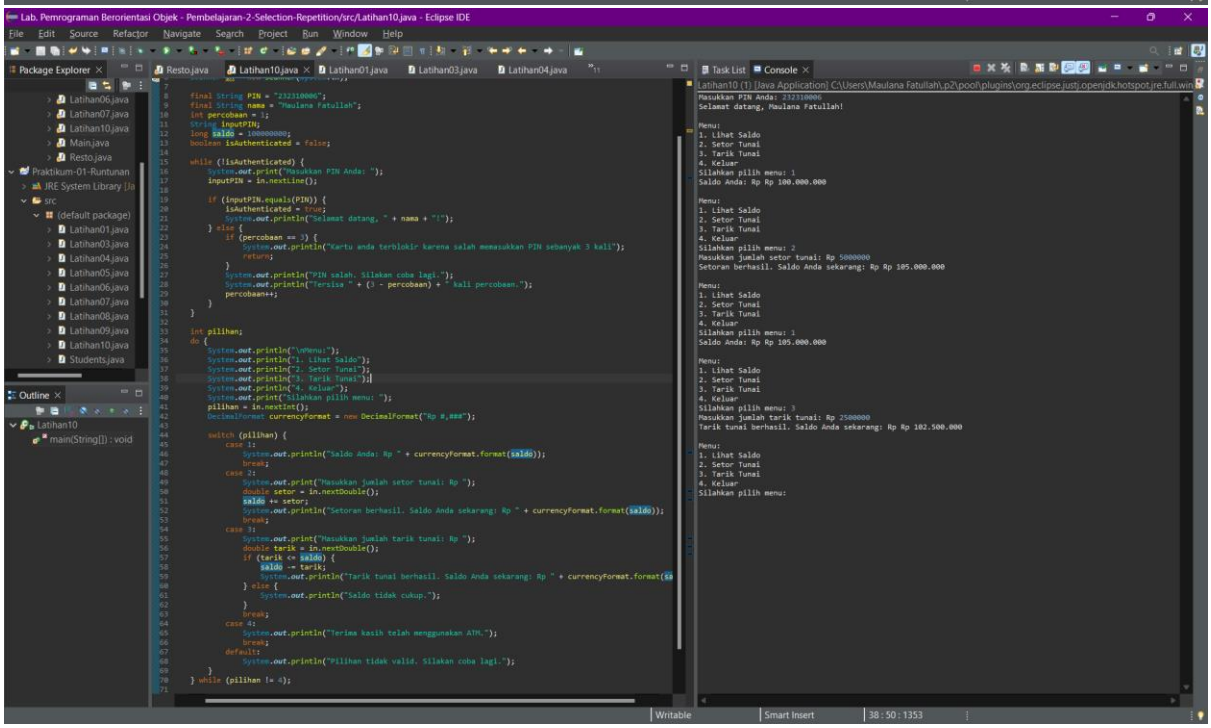


8. Activity Diagram



9. Latihan10


Lab. Pemrograman Berorientasi Objek - Pembelajaran-2-Selection-Repetition/src/Latihan10.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Latihan05.java Latihan06.java Latihan07.java Resto.java Latihan10.java
Task List Console
Outline
Latihan10
main(String[]) : void
Masukkan PIN Anda: 64457
PIN salah. Silakan coba lagi.
Tersisa 2 kali percobaan.
Masukkan PIN Anda: 324327
PIN salah. Silakan coba lagi.
Tersisa 1 kali percobaan.
Masukkan PIN Anda: 23425
Kartu anda terblokir karena salah memasukkan PIN sebanyak 3 kali


Lab. Pemrograman Berorientasi Objek - Pembelajaran-2-Selection-Repetition/src/Latihan10.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Resto.java Latihan10.java Latihan01.java Latihan03.java Latihan04.java
Task List Console
Outline
Latihan10
main(String[]) : void
Masukkan PIN Anda: 232310006
Selamat datang, Maulana Fatullah!
Menu:
1. Lihat Saldo
2. Setor Tunai
3. Tarik Tunai
4. Keluar
Silahkan pilih menu: 1
Saldo Anda: Rp Rp 100.000.000
Menu:
1. Lihat Saldo
2. Setor Tunai
3. Tarik Tunai
4. Keluar
Silahkan pilih menu: 2
Masukkan jumlah setor tunai: Rp 5000000
Setoran berhasil. Saldo Anda sekarang: Rp Rp 105.000.000
Menu:
1. Lihat Saldo
2. Setor Tunai
3. Tarik Tunai
4. Keluar
Silahkan pilih menu: 1
Saldo Anda: Rp Rp 105.000.000
Menu:
1. Lihat Saldo
2. Setor Tunai
3. Tarik Tunai
4. Keluar
Silahkan pilih menu: 3
Masukkan jumlah tarik tunai: Rp 2500000
Tarik tunai berhasil. Saldo Anda sekarang: Rp Rp 102.500.000
Menu:
1. Lihat Saldo
2. Setor Tunai
3. Tarik Tunai
4. Keluar
Silahkan pilih menu:
Writable
Smart Insert
38 : 50 : 1353