GROUP 3

PHARMACY CASHIER

Name Of Member :

Muhammad Afif Khosyidzaki   (17)

Dimas Arya Sadewa   (09)

Fitri Cahyaniati   (12)

```java
/**
 * pharmacyCashier
 */
import java.util.Scanner;
public class pharmacyCashier {

    public static void main(String[] args) {
        try (Scanner input = new Scanner(System.in)) {
            System.out.println("Welcome to Pharmacy JTI");
            int totalPrice, change, option, totalMedic=0;

            while (true) {
                System.out.println();
                System.out.println(" Medicine Type");
                System.out.println("1. Mefinal     (Rp 5.000)");
                System.out.println("2. Promag      (Rp 4.000)");
                System.out.println("3. Neozep      (Rp 4.000)");
                System.out.println("4. Demacolin   (Rp 6.000)");
                System.out.println("5. Finished Order");

                System.out.print("Medicine Type (1/2/3/4/5): ");
                option = input.nextInt();

                System.out.println();

                if (option == 1) {
                    totalMedic += 5000;
                } else if (option == 2) {
                    totalMedic += 4000;
                } else if (option == 3) {
                    totalMedic += 4000;
                } else if (option == 4) {
                    totalMedic += 6000;
                } else if (option ==5) {
                    break;
                } else {
                    System.out.println(" Your selection is invalid, Please select an available medicine.");
                }

                System.out.println();
                System.out.println("Your Total Shopping: Rp" + totalMedic);

            }

            System.out.print(" Input Amount Of Money : Rp ");
            totalPrice = input.nextInt();

            if (totalPrice >= totalMedic) {
                change = totalPrice - totalMedic;
                System.out.println("Thank you for your purchase, this is your total change: Rp " + change);
            } else {
                System.out.println("Sorry your purchase is not eligible, Please try again.");
            }
        }
    }
}
```

Algorithm: Pharmacy Cashier

Declaaration:
{ totalPrice, Change, totalmedic = 0 : double
option : int
Description:
 1. **print** "Welcome to Pharmacy Cashier Of JTI"
 2. **print** " Medicine Type"
 3. **Print** "1. Mefinal (Rp 5.000)"
 4. **print** "2. Promag (Rp 4.000)"
 5. **print** "3. Neozep (Rp 4.000)"
 6. **print** "4. Demacolin (Rp 6.000)"
 7. **print** "5. Finished Order"
 8. **print** " Medicine Type (1/2/3/4/5): "

 9. **read** option

10. if option ==1
 total medic += 5000;

 else if option ==2
 total medic += 4000;

 else if option == 3
 total medic += 4000;

 else if option == 4
 total medic += 6000;

 else if option == 5
 break;
 else
 print "Your Selection is invalid, Please select an anvailble medicine.
 print "Your total shopping : Rp" + total medic
 print " Input Amount Of money:"
 read total price

 if total price >= totalMedic
 change = total price - totalMedic
 print "Thank you for your purchase, this is your total change: Rp " +
 change
 else
 print " Sorry Your purchase is not eligible, Please try again."

```
                    ┌─────────┐
                   (  START   )
                    └────┬────┘
                         │
                         ▼
        ┌──────────────────────────────┐
        │         int option           │───────────────false──────────────┐
        │      double totalPrice,       │                                   │
        │    change,totalMedic = 0      │                                   │
        └──────────────┬───────────────┘                                   │
                       │                                                    │
                       ▼                                                    │
                    ◇ while ◇                                               │
                       │                                                    │
                     true                                                   │
                       ▼                                                    │
                   ▱ option ▱                                               │
                       │                                                    │
                       ▼                                                    │
   ┌──────◇ option = 1/2/3/4 ◇──false──◇ option = 5 ◇──true──▱ totalPrice ▱ │
   │            │                            │                     │        │
   │          true                         false                  ▼        │
   │            ▼                            ▼              ◇ totalPrice >= ◇│
   │   ┌─────────────────┐          ▱ cantFound ▱          ◇   totalMedic  ◇─false─▱ order canceled ▱
   │   │ totalMedic =+ price │              │                     │                     │
   │   └────────┬────────┘                 │                   true                    │
   │            │                          │                     ▼                     │
   │            ▼                          │          ┌──────────────────────┐         │
   │     ▱ totalMedic ▱                    │          │ change = totalPrice - │         │
   └────────────┘                          │          │      totalMedic       │         │
                                           │          └──────────┬───────────┘         │
                                           │                     │                     │
                                           │                     ▼                     │
                                           │               ▱ change ▱────────┐         │
                                           │                              ┌──┴───┐     │
                                           ▼                              ( end  )◄────┘
                                        ┌─────┐                           └───┬──┘
                                        (     )──────────────────────────────┘
                                        └─────┘
```