

```
1 package Exercise2;
2
3 import java.util.Scanner;
4
5 public class Exercise57 {
6     public static void main(String[] args) {
7         Scanner scanner = new Scanner(System.in);
8
9         System.out.print("거스름돈 받아야할 금액 : ");
10        int money = scanner.nextInt();
11        scanner.close();
12
13        System.out.println("money = " + money);
14
15        int[] coinUnit = {500,100,50,10};
16        int[] coin = {5,5,5,5};
17
18        for(int i = 0; i<coinUnit.length;i++) {
19            int coinNum = 0;
20
21            coinNum = money / coinUnit[i];
22            if(coin[i] >= coinNum) {
23                coin[i] -= coinNum;
24            } else {
25                coinNum = coin[i];
26                coin[i] = 0;
27            }
28            money -= coinNum * coinUnit[i];
29
30            System.out.println(coinUnit[i] + "원 : " + coinNum);
31        }
32
33        if(money > 0) {
34            System.out.println("거스름돈이 부족합니다.");
35            System.exit(0);
36        }
37
38        System.out.println("= 남은 동전의 개수 =");
39
40        for(int i = 0; i<coinUnit.length; i++) {
41            System.out.println(coinUnit[i] + "원 : " + coin[i]);
42        }
43    }
44 }
45
```