

```
1 package chapter07.Exercise;
2
3 public class BankTest {
4     public static void main(String[] args) {
5         Bank bank = new Bank();
6
7         Customer customer1 = new Customer("Tony", "Stark");
8         customer1.setAccount(new BankAccount(100_000));
9         bank.addCustomer(customer1);
10
11        Customer customer2 = new Customer("Peter", "Parker");
12        customer2.setAccount(new BankAccount(100));
13        bank.addCustomer(customer2);
14
15        Customer customer3 = new Customer("Thor", "Odinson");
16        customer3.setAccount(new BankAccount(30_000));
17        bank.addCustomer(customer3);
18
19        int max = Integer.MIN_VALUE;
20        int min = Integer.MAX_VALUE;
21        Customer maxBalanceCustomer = null;
22        Customer minBalanceCustomer = null;
23        for (int i = 0; i < bank.getNumberOfCustomers(); i++) {
24            Customer account = bank.getCustomer(i);
25            if (account.getAccount().getBalance() > max) {
26                max = account.getAccount().getBalance();
27                maxBalanceCustomer = account;
28            }
29            if (account.getAccount().getBalance() < min) {
30                min = account.getAccount().getBalance();
31                minBalanceCustomer = account;
32            }
33        }
34        System.out.println("잔고가 가장 많은 사람");
35        System.out.println(maxBalanceCustomer);
36        System.out.println("잔고가 가장 적은 사람");
37        System.out.println(minBalanceCustomer);
38        if (maxBalanceCustomer.getAccount().transfer(max / 2,
39            minBalanceCustomer.getAccount())) {
40            System.out.println(maxBalanceCustomer.getFirstName() + "가
41            " + minBalanceCustomer.getFirstName() + "에게 잔고의 반을 송금");
42        } else {
43            System.out.println("송금되지 않았습니다.");
44        }
45        System.out.println("송금 후 모든 고객의 정보");
46        for (Customer c : bank.getCustomers()) {
47            if (c != null) {
48                System.out.println(c);
49            }
50        }
51    }
52 }
```

BankTest.java

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