

```
1 package Exercise8;
2
3 abstract class BankAccount {
4     protected int balance;
5
6     public BankAccount(int balance) {
7         this.balance = balance;
8     }
9
10    public int getBalance() {
11        return balance;
12    }
13
14
15    public void deposit(int amount) {
16        balance += amount;
17    }
18
19    public boolean withdraw(int amount) {
20        balance -= amount;
21        return false;
22    }
23
24    public boolean transfer(int amount, BankAccount otherAccount) {
25        withdraw(amount);
26        otherAccount.deposit(amount);
27        return true;
28    }
29
30    public String toString() {
31        return String.format(Integer.toString(balance));
32    }
33
34    abstract String getAccountType();
35 }
36
```