

Java → Object-oriented programming → Inheritance and polymorphism → [The keyword super](#)

3539 users solved this problem. Latest completion was about 15 hours ago.

# The keyword super → Bank account

Medium 5 minutes ?

You are given a class named `BankAccount`. The class has two fields: `number` and `balance`.

Define two classes which inherit from the `BankAccount`:

- `CheckingAccount` containing the double field `fee`.
- `SavingAccount` containing the double field `interestRate`.

Each new class should have a constructor with three parameters to initialize all fields:

- `CheckingAccount(String number, Long balance, double fee)`
- `SavingAccount(String number, Long balance, double interestRate)`

Do not forget to invoke the superclass constructor when creating objects.

Do not make the fields `private`.

Report a typo

Write a program

[Code Editor](#) [IDE](#)

```
1 class BankAccount {
2
3     protected String number;
4     protected Long balance;
5
6     public BankAccount(String number, Long balance) {
7         this.number = number;
8         this.balance = balance;
9     }
10 }
11 // REMEMBER TO CREATE CLASS OUTSIDE EACH OTHER
12 class CheckingAccount extends BankAccount {
13     protected double fee;
14
15     public CheckingAccount(String number, Long balance, double fee) {
16         super(number, balance);
17         this.fee = fee;
18     }
19 }
20
21 class SavingAccount extends BankAccount {
22     protected double interestRate;
23
24     public SavingAccount(String number, Long balance, double interestRate) {
25         super(number, balance);
26         this.interestRate = interestRate;
27     }
28 }
29
```

✓ Correct.

That’s an awesome solution! What do you think about showing it off? [Post it to Solutions](#) so other learners can enjoy it too.

301 users liked this problem. 0 didn’t like it. What about you?



[Continue](#) [Solve again](#) [Solutions \(50\)](#)

Time limit: 8 seconds    Memory limit: 256 MB

[Comments \(13\)](#)

[Hints \(2\)](#)

[Useful links \(0\)](#)

[Solutions \(50\)](#)

[Show discussion](#)