

Critical Thinking 1: Superclass Bank Account

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CSC372-1: Programming 2

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Superclass Bank Account

```
C:\Users> krsr > Documents > Code Bucket > CSC320 > BankTest.java > BankTest > main(String[])
3 public class BankTest {
5     public static void main(String[] args) {
34         break;
35         case "deposit":
36             System.out.print(s: "Enter Account #: ");
37             int acc = scanner.nextInt();
38             System.out.print(s: "Enter amount to deposit: ");
39             double amount = scanner.nextDouble();
40             if (checkingAccount != null && checkingAccount.getAccountID() == acc) {
41                 checkingAccount.deposit(amount);
42                 System.out.println("Your balance is " + bankAccount.getBalance());
43             } else if (bankAccount.getAccountID() == acc) {
```

PROBLEMS 4 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Welcome to the Bank Account Management System!

Would you like to create a new account, deposit, withdraw, or view account summary? (Type 'create', 'deposit', 'withdraw', 'view', or 'exit')
create
Is this a checking account? (yes/no): yes
Enter first name: Kris
Enter last name: Summers
Enter account ID: 1
Enter balance: 20
Enter interest rate: .01
Checking Account:

Account Summary:
Name: Kris Summers
Account ID: 1
Balance: \$20.0
Interest Rate: 0.01%

Would you like to create a new account, deposit, withdraw, or view account summary? (Type 'create', 'deposit', 'withdraw', 'view', or 'exit')
create
Is this a checking account? (yes/no): no
Enter first name: Sirk
Enter last name: Sremmus
Enter account ID: 2
Enter balance: 20

Account Summary:
Name: Sirk Sremmus
Account ID: 2
Balance: \$20.0

Would you like to create a new account, deposit, withdraw, or view account summary? (Type 'create', 'deposit', 'withdraw', 'view', or 'exit')
deposit
Enter Account #: 2
Enter amount to deposit: 20
Your balance is 40.0

Would you like to create a new account, deposit, withdraw, or view account summary? (Type 'create', 'deposit', 'withdraw', 'view', or 'exit')
withdraw
Enter Account #: 1
Enter amount to withdraw: 25
A \$30 overdraft fee has been applied.
Your balance is -35.0

```
Would you like to create a new account, deposit, withdraw, or view account summary? (Type 'create', 'deposit', 'withdraw', 'view', or 'exit')
withdraw
Enter Account #: 2
Enter amount to withdraw: 45
Insufficient funds or invalid withdrawal amount.
Your balance is 40.0

Would you like to create a new account, deposit, withdraw, or view account summary? (Type 'create', 'deposit', 'withdraw', 'view', or 'exit')
view
Enter Account #: 1
Checking Account:

Account Summary:
Name: Kris Summers
Account ID: 1
Balance: $-35.0
Interest Rate: 0.01%

Would you like to create a new account, deposit, withdraw, or view account summary? (Type 'create', 'deposit', 'withdraw', 'view', or 'exit')
exit
Thank you for using the Bank Account Management System. Goodbye!
PS C:\Users\krisr> 
```

Local uncommitted changes, not checked in to index

- master 1st commit
- 1st commit
- First Commit
- First Iteration
- Original File

Kris Summers <krisrsummers@gmail.com>	2025-12-14 04:58:17
Kris Summers <krisrsummers@gmail.com>	2025-11-08 20:16:57
Kris Summers <krisrsummers@gmail.com>	2025-11-02 13:53:19
Kris Summers <krisrsummers@gmail.com>	2025-10-26 14:26:53
Kris Summers <krisrsummers@gmail.com>	2025-10-11 15:38:21

Commit ID: e005b7c040e44ea96850ee7567f323c111722c70 Row 2 / 6

Find commit containing:

Search

☒ Diff ☐ Old version ☐ New version Lines of context: 3 ☐ Ignore space

Author: Kris Summers <krisrsummers@gmail.com> 2025-12-14 04:58:17
 Committer: Kris Summers <krisrsummers@gmail.com> 2025-12-14 04:58:17
 Parent: 2a25a54fb008d7cfc28e4a3899b2178134e574f7 (1st commit)
 Branch: master
 Follows:
 Precedes:

1st commit

----- CSC372/BankAccount.java -----

```
new file mode 100644
index 0000000..7bd121c
@@ -0,0 +1,77 @@
+import java.util.Scanner;
+
+public class BankAccount {
+    private String firstName;
+    private String lastName;
+    private int accountID;
+    private double balance;
+    Scanner scanner = new Scanner(System.in);
+
+    public BankAccount() {
+        this("", "", 0, 0.0);
+    }
+
+    public BankAccount(String firstName, String lastName, int account
+        this.firstName = firstName;
+        this.lastName = lastName;
+        this.accountID = accountID;
+        this.balance = balance;
+    }
+}
```

Comments

- CSC372/BankAccount.java
- CSC372/BankTest.java
- CSC372/CheckingAccount.java