Question 1) Account

In this program, there are two classes Account.java and TestAccount.java.

Account.java : Write a class named **Account** that holds the balance of a user and unique account id number.

You should implement following ones;
A constructor: it should set account id and balance.

The **get** methods for balance and the account id.

deposit method to add more money to current balance.

withdraw method to subtract money from current balance. It returns **true** if the withdraw operation successful (account has enough money) and false if it fails.

toString method is already implemented. You do not need to change it.

All variables should be **private.**

TestAccount.java: This class will be used for test purposes. You must not change anything from this class. It asks number of accounts to the user and creates with a unique id and balance then displays a menu that show action list.

You should control your program with the example run given below.

Example Run:

Enter number of Accounts: 3
Type a unique account id: 1
Type a balance for account 1: 12
Type a unique account id: 1
Type a unique account id: 2
Type a balance for account 2: 23
Type a unique account id: 3
Type a balance for account 3: 45

Menu:
1 – Display all accounts.
2 – Deposit money.
3 – Withdraw money.
0– Exit.
Enter an option: 1
Account 1 has 12.0 TL in the bank.
Account 2 has 23.0 TL in the bank.
Account 3 has 45.0 TL in the bank.

Menu:
1 – Display all accounts.
2 – Deposit money.
3 – Withdraw money.
0 – Exit.
Enter an option: 2
Enter account id to deposit: 5
Account id 5 does not exist.

Menu:
1 – Display all accounts.
2 – Deposit money.
3 – Withdraw money.
0 – Exit.
Enter an option: 2
Enter account id to deposit: 1
Enter the amount to deposit: 70
Deposit successfully completed.

Menu:
1 – Display all accounts.
2 – Deposit money.
3 – Withdraw money.
0 – Exit.
Enter an option: 3
Enter account id to withdraw: 2
Enter the amount to withdraw: 45
Account 2 does not have enough balance. Withdraw canceled.

Menu:
1 – Display all accounts.
2 – Deposit money.
3 – Withdraw money.
0 – Exit.
Enter an option: 3
Enter account id to withdraw: 2
Enter the amount to withdraw: 10
Withdraw successfully completed.

Menu:
1 – Display all accounts.
2 – Deposit money.
3 – Withdraw money.
0 – Exit.
Enter an option: 1
Account 1 has 82.0 TL in the bank.
Account 2 has 13.0 TL in the bank.
Account 3 has 45.0 TL in the bank.