Account Processor

Complete the following program, which should work as a bank account validator and handle new account creation requests as detailed below.

The program should accept account opening requests in the following format:

Number of savings accounts to be opened

The account number `acc_no` and balance of each savings account

Number of current accounts to be opened

The account number, balance and over draft limit of each current account

All the requests are forwarded to the `accountProcessor` method which, in turn, validates the requests, and prints the details according to the following criteria.

Each valid account should have a unique account number. In case there are multiple account requests with the same account number, only the first request should be processed, and the rest should be discarded.

Hint: Use the `LinkedHashSet` *collection, and override the* `equals` *and* `hashCode` *methods to achieve this feature. The methods* `equals` *and* `hashCode` *are defined inside the* `Object` *class.*

Once all the duplicate account requests are filtered out and unique valid accounts are opened, the program should print the details of all the valid accounts in descending order of balance, in the format shown in the public test cases.

Hint: Use the `TreeSet` *collection, and override the* `compareTo` *method to achieve this feature. The method* `compareTo` *is declared inside the* `Comparable` *interface.*

Test Case 1

Input	Expected Output	Actual Output
3	Savings Account:111 , Balance:2000.0	Savings Account:111 , Balance:2000.0\n
111 2000	Current Account:444 , Balance:1200.0	Current Account:444 , Balance:1200.0\n
222 1000	Savings Account:222 , Balance:1000.0	Savings Account:222 , Balance:1000.0\n
111 5000		
2		
444 1200 50000		
111 6000 50000		

Test Case 2

Input	Expected Output	Actual Output
4	Savings Account:555 , Balance:6000.0	Savings Account:555 , Balance:6000.0\n
111 800	Savings Account:222 , Balance:5000.0	Savings Account:222 , Balance:5000.0\n
222 5000	Savings Account:111 , Balance:800.0	Savings Account:111 , Balance:800.0\n
888 100	Savings Account:888 , Balance:100.0	Savings Account:888 , Balance:100.0\n
555 6000		
2		
222 1200 500000		
111 6500 500000		