

Write the pseudocode AND a Java program for the following:

A college bank offers two types of accounts: Savings and Current.

Charges, interest and fees are applied to accounts as follows:

Charges

If a customer's balance is below a minimum balance of €100, a service charge is applied to their account. This charge is €10.00 for a savings account or €25.00 for a current account.

Interest

Accounts which have a balance above the minimum balance receive interest as follows:

- Savings accounts receive 4% per annum interest
- Current accounts with balance of up to 5000 more than the minimum balance receive 3% per annum interest. Otherwise the interest on Current accounts is 5% per annum.

Interest should be applied before any fees are charged.

Fees

Savings account customers do not pay any fees.

Current account customers pay fees depending on how many transactions they made on the account.

- Up to 50 transactions – No fee.
- 50 to 100 transactions - €0.20 per transaction.
- More than 100 transactions - €0.10 per transaction.

Write a program that reads a customer's account type (**s** or **S** for Savings, **c** or **C** for Current), their current balance, and the number of transactions they made on the account (if applicable). The program should then output the account type, current balance, and an appropriate message regarding charges, fees and interest.