Lab #2

This program calculates a customer’s bill for a local cable company. There are two types of customers: residential and business. There are two rates for calculating the bill: one for residential customers and one for business customers.

Residential Customers:

* Bill processing fee 4.50
* Basic service fee 20.50
* Premium channel 7.50

Business Customers:

* Bill processing fee 15.00
* Basic service fee 75.00

(for first 10 connections and 5.00 for each addition one)

* Premium channel 50.00

The program should ask the user for an account number (integer) and a customer code. Assume that R or r is a residential and customer B or b is a business customer. Based on the type of customer, either ask for the number of premium channels or the number of premium channels and connections.

Input:

1. customer account number
2. customer code
3. number of premium channels to which the customer subscribes

and in the case of the business customers, the number of basic service connections.

Output:

Customer account number and the billing amount formatted to currency, comma, 2 decimals. Example for a business account 1003, no extra connections, and 1 premium channel:

Account Number 1003

Amount Due $140.00

1. Extra Credit: Error check for correct character either upper or lower case before computing the bill.
2. Add a priming read so that the program will work on more than person before stopping. Hint: Make use of the \n or println(); statement to add extra lines between customers.