**Account Comparisons**

QUESTION DESCRIPTION

Given an interface named "OnlineAccount" that models the account of popular online video streaming platforms, perform the operations listed below. The interface "OnlineAccount" consists of the basePrice, regularMoviePrice, and exclusiveMoviePrice.

In order to complete this challenge, you need to implement an incomplete class named "Account" which implements the "OnlineAccount" interface as well as the "Comparable<Account>" interface.

Class Account has two attributes to keep track of the number of movies watched:

1. Integer noOfRegularMovies

2. Integer noOfExclusiveMovies

3. String ownerName

Methods to complete for class Account:

1. Add a parameterized constructor that initializes the attributes ownerName, numberOfRegularMovies and numberOfExclusiveMovies.

2. double monthlyCost() => This method returns the monthly cost for the account. [Monthly Cost = base

price + noOfRegularMovies\*regularMoviePrice + noOfExclusiveMovies\*exclusiveMoviePrice]

3. Override the compareTo method of the Comparable interface such that two accounts can be compared based on their monthly cost.

4. String toString() which returns => "Owner is [ownerName] and monthly cost is [monthlyCost] USD.

**Input Format for Custom Testing**

The first line contains an integer, n, the number of accounts.

Each line i of the n subsequent lines (where 0 < i < n) contains account information in the format:

[OwnerName ] [numberOfRegularMovies] [numberOfExclusiveMovies]

**Sample Case 0**

**Sample Input**

STDIN Function Parameters

3 → n = 3

Frank 12 6 → [OwnerName][numberOfRegularMovies]

[numberOfExclusiveMovies] e.g. ['Frank',12,6]

David 7 19

Karen 14 4

**Sample Output**

Most valuable account details:

Owner is David and monthly cost is 1955 USD.

**Explanation**

Compares the 3 accounts and prints the details of account with most expenditure.

**CANDIDATE ANSWER**

Language used: Java 8

class Account implements OnlineAccount, Comparable<Account> {

// Write the logic

}