

CableCompany IPO chart and Algorithm

IPO Chart

Input	Process	Output
accountNumber	Prompt user for accountNumber	Display accountNumber
accountType	Prompt user for accountType	Display billAmount
premiumChannels	Prompt user for premiumChannels	
basicServices	Calculate Current bill	
	Prompt user for basicServices	
	Calculate Current bill	
	Display final bill	

Algorithm

import java.util.*; //used for scanner

import java.text.DecimalFormat; // format decimal places and start with \$

CLASS Main

Main Method

DECLARE instantiating Scanner Object

DECLARE deciamal format Object

DECLARE INITIALIZE accountNumber, premiumChannels, basicServices, billAmount, accountType

OUTPUT intro

OUTPUT menu

PROMPT user accountNumber, accountType

GET accountNumber, accountType

SWITCH case of accountType

A:PROMPT user premiumChannels

GET premiumChannels

CALCULATE premiumChannels *= \$7.5

CALCULATE billAmount += (premiumChannels + fees)

OUTPUT accountNumber, billAmount

B:PROMPT user premiumChannels

GET premiumChannels

PROMPT user basicServices

GET basicServices

CALCULATE premiumChannels *= \$50, basicServices <= 10 *= \$75 && basicServices > 10 *= \$5

CALCULATE billAmount += (premiumChannels + basicServices + fees)

OUTPUT accountNumber, billAmount

END SWITCH

OUTPUT goodbye message

END of Main Method

END of CLASS Main