**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**