IPO

Input   :   currencyConversion, countryConversion, amountToConvert

Process :   check currencyConversion:
            currencyConversion = "Foreign to Myr"
                 check countryConversion:
                        countryConversion = "USD" : set exchangeRate = 4.35
                        countryConversion = "EUR" : set exchangeRate = 4.80
                        countryConversion = "JPY" : set exchangeRate = 0.037
                        else : set exchangeRate = 0

                        calculate currencyExchange = amountToConvert * exchangeRate
                        calculate serviceTax = currencyExchange * 0.05
                        calculate finalAmount = currencyExchange - serviceTax

            currencyConversion = "Myr to Foreign"
                 check countryConversion:
                        countryConversion = "USD" : set exchangeRate = 0.23
                        countryConversion = "EUR" : set exchangeRate = 0.21
                        else : set exchangeRate = 0

                 check amountToConvert:
                        amountToConvert < 10000 : serviceTax = amountToConvert * 0.015
                                          govermentTax = 0
                        amountToConvert >= 10000 : serviceTax = amountToConvert * 0.015
                                          govermentTax = amountToConvert * 0.025

                        calculate currencyExchange = amountToConvert * exchangeRate
                        calculate finalAmount = (amountToConvert – serviceTax – govermentTax) * exchangeRate

Output : exchangeRate, serviceTax, govermentTax, totalTax, finalAmount.