IPO Chart Program 1

Inputs:

userName

YearsAttended (school)

ItemName

orgPrice

howMany

discountPrice

Algorithm:

1. Ask user for name

2. Ask user BY NAME number of years in school

3. Ask user itemName

4. Ask user orgPrice of item

5. Ask user NumberOfItems

6. DiscountPrice = Price * .63
   (discountPrice = origPrice – (origPrice * 0.37)
   1 - 0.37 = .63

7. totalCost = itemNumber * discountPrice;

8. Display total cost

Outputs:

TotalAmount (after discount)

Data Dictionary

VARIABLE	NAME OF VARIABLE	TYPE
name of user	userName	string
years in school	yearsAttended	integer
item purchased	itemName	string
price of item	origPrice	double
number of items purchased	howMany	integer
discount price of item	discountPrice	double

START

INPUT:
userName
YearsAttended (school)
ItemName
orgPrice
howMany
discountPrice

discountPrice = origPrice – (origPrice * 0.37)
(simplified below 1-.37 = .63)

discountPrice = price * .63;

totalCost = itemNumber * discountPrice;

DISPLAY TOTALCOST

STOP