

CIS 106 Session 3 Assignment Problems –Sequence Logic

Question #1: Allow the user to enter the stock ticker symbol (ie MSFT for Microsoft, it's a string variable), number of shares and cost per share. Compute and display the amount invested to be the number of share times cost per share.

Input	Process	Output
Ticker symbol	Amount invested = Number of shares * cost per share	Ticker symbol
Number of Shares		Amount invested
Cost per share		

Question #2: The student will enter their last name, midterm and final exam score. Compute the total exam points to be the sum of the midterm and final exam. Display student last name and total exam points

Input	Process	Output
Last name	Total exam points = Midterm score + Final exam score	Last name
Midterm score		Total exam points
Final exam score		

Question #3: You and two friends completed a job and received an amount that is entered into the problem. You are to split the amount received evenly between the three of you. Compute and display what each of you will receive

Input	Process	Output
Total amount received	Each person gets = total amount received / 3	Each person gets

--	--	--

Question #4: Enter the make, model, msrp amount and discount percent of an auto you are interested in. Compute the amount of msrp you will receive as well as the discounted price. The amount off is computed to be the msrp times the discount percent (you can enter as a decimal so no need to divide by 100). The discounted price is the msrp minus the amount off. Display the make, model, msrp, discount percent, amount off and discounted price.

Input	Process	Output
Make	Amount off = Msrp * Discount Percent (decimal)	Make
Model	Discounted Price = Msrp - Amount Off	Model
Msrp		Msrp
Discount percent (Decimal Form)		Discount percent
		Amount off
		Discounted Price

Question #5: Allow the user to enter a radius of a circle. Compute and display the area to be pie times radius squared (use 3.174 for pie and multiple radius time radius for radius squared). Also, compute and display the perimeter (2 time pie * radius).

Input	Process	Output
Radius	Pi = 3.174	Area
	Area = Pi * Radius * Radius	Perimeter
	Perimeter = 2 * Pi * Radius	

