

CIS 106 Session Assignments Set 2 Problems.

Develop an IPO Chart and Python code the following problems. Upload the IPO and code files to your repository.

1. Allow the user to enter the stock ticker symbol (ie MSFT for Microsoft), number of share and cost per share. Compute and display amount invested to be number of share times cost per share.

Input	Process	Output
Stock ticker symbol(STR)	Get input for STS	Show the STS
Number of shares(int)	Get input for NS	Show The NS
Cost Per Share (float)	Get user input CPS	Show the CPS
	Shares * Cost	Show the amount invested

2. The student will enter their last name, midterm and final exam score. Compute the total exam points to be the sum of 40% of midterm and 60% of the final exam. Display student last name and total exam points.

Input	Process	Output
Students Last name	Get input for Last name	Show Last name
Midterm Exam score	Get input for Midterm	Show Midterm
Final exam score	Get input for fina	Show Final
	Calc Final Score	Show Total Score
	Total Points= (.4 *midterm) + (.6 * Final)	

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
Amount Received	Get input for amount received	Show the amount received
	Divide the amount by 3	Show the amount each person received.

4. Enter the make, model, msrp amount and discount percent of an auto you are interested in. Compute the amount off 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
Car Make	Get input for the Make	Show the make
Car Model	Get input for the Model	Show the model
Car MSRP	Get input for the MSRP	Show the msrp
Discount percent	Get input for the Discount	Show the discount
	Calc the amount off	Show the amount off MSRP
	MSRP * Discount percent = Amount off	

Input	Process	Output
	Calc discount price	Show the discount Price
	MSRP - amount off =Discounted price	

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

Input	Process	Output
Radius of a Circle	Get input for radius of circle	Show radius of circle
	Calc area using pi=3.174	Show area of circle
	Area= 3.174 * radius * radius	
	Calc the perimeter using 3.174	Show the perimeter of circle
	Perimeter=2 *3.174 * radius	