

1.
Prompt the user to enter a quantity (which is a floating point number) and price per unit (float).

Then computer extended price (quantity x price per unit). Display the extended price.

Input:	Process:	Output
Quantity	$Q * \text{ppu} = \text{extended price}$	Extended price
Price per Unit		

2.
Allow the user to enter last name, hours and pay rate. Compute gross pay to be hours x rate.

(Note: we are not giving time and a half for over time hours yet!). Display last name and gross

Pay.

Input	Process	Output
Last name		
Quantity	$\text{Quantity of hours} * \text{pay rate} = \text{Gross pay}$	Gross pay
Pay rate		

3.
The user is to enter the length and width of a rectangle. Computer the area (length x width) and

the circumference ($2 \times \text{length} + 2 \times \text{width}$). Display the area ad circumference.

Input	Process	Output
Length of rectangle	$\text{Length of rectangle} * \text{Width of rectangle} = \text{Area of rectangle}$	area of rectangle

Width of rectangle	$(2 * \text{length of rectangle}) + (2 * \text{Width of rectangle}) = \text{circumference}$	circumference
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4.

Enter last name and credits taken. Tuition is \$250 per credit hour. Add a \$100 lab fee. Compute total tuition (credits taken x 250 + lab fee). Display last name and tuition.

Input	Process	Output
Last Name	$(250 * Q \text{ of credits taken}) + 100 = \text{tuition}$	Last name: tuition
Q of credits taken		

5.

The price of an item and discount percent is entered into the program. Display the discount amount and discounted price of the item. Note: enter the discount percent in decimal form.

Input	process	Output
Price of item	$\text{Price of item} * (1 - \text{discount percent}) = \text{Discounted price of item}$	discounted price of item
Discount percent	$\text{Price of item} * (\text{discount percent}) = \text{Discount amount}$	discount amount