Defining the Problem: Exercises

Create IPO charts for each of the following, use good variable names:

1. Input the length and width of a room and calculate the area and the perimeter. Display all values.

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| Input | Process | Output |
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1. Prompt the user to enter his restaurant bill. Calculate the tax, the total after tax, the tip, and the total after tip. Assume tax rate of .06 and tip rate of .20. Display all values.

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| Input | Process | Output |
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1. Change the above program to also prompt for tax rate and tip rate.

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| Input | Process | Output |
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1. Read the name and age of a dog and calculate and display its age in people years.

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| Input | Process | Output |
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1. Write a program that inputs height in feet and inches and converts to all inches.

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| Input | Process | Output |
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1. Write a program to calculate your paycheck. Input your hours worked and your pay rate and calculate net pay and gross pay. Assume tax rate of 20%.

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| Input | Process | Output |
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1. Write a program to calculate a discount. Enter the price of the item and the discount rate. Display the discounted price.

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| Input | Process | Output |
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