Tutorial

CPSC 217

Some important issues during coding (also for assignments)

- Use header comments (Put name, Date and purpose of the program)

- Use block comments on each functional block of the program

- Variable name should be self descriptive. Avoid single letter variable name. For example, instead of variable name r, use radius. Even you can connect multiple words using underscore (radius_of_circle).

- Avoid magic numbers. Replace them with self descriptive variable name.

- Define constant at the beginning of the code (Must be all capital). For example: PI = 3.1416

Try to solve following problem

- Write a program that calculates the total amount of a meal purchased at a restaurant. The program should ask the user to enter the charge for the food, and then calculate the amount of 18 percent tip and 7 percent sales tax. Display each of these amounts and the total. Use comments and decent formatting for input and outputs.

- Write a program that asks the user for the number of males and the number of females registered in a class. The program should display the percentage of males and females in the class.

Hint: Suppose there are 8 males and 12 females in a class. There are 20 students in the class. The percentage of males can be calculated as 8 ÷ 20 = 0.4 or 40%.

My PPT slides

➡ You can find my created PPT slides at the following link:

https://sites.google.com/site/samicsemist/change-the-banner/cpsc217fall16