In this assignment, some of you will design your first big programming project. You will design the flowchart and pseudocode for a program that calculates your numeric grade in a class based on the following inputs and processes:

1. Ask the user for the number of tests, assignments, quizzes, and labs in their course.
2. Ask the user if there is a final with a separate weight from the tests above, e.g. a course has 2 tests, each weighing 12.5%, and 1 final weighing 15%.
3. For each category having a number > 0
   a. Prompt the user for the weighted percent, out of 100%, which should total 100% for all categories!!
   b. Get the score(s) for the category.
   c. If the category is labs, then sum all the scores.
   d. Else, average the scores.
   e. Calculate the weighted average for the category.
4. Using the weighted average of each category, calculate the grade in the course.
5. Ask the user if he/she wants to calculate a grade for another class.
6. If the user responds yes, then go back to step 1.
7. Else, end the program.

Our next speaker is Dr. and Col. Dean Bushey, US Air Force EURO, and he will talk about Unmanned Vehicle Research. If you are unfamiliar with the types of unmanned vehicles used in the US Air Force, then do some research on this area, as well as get a general sense of what unmanned vehicles are. Add two questions for our next speaker to the end of your paper.

Electronically submit your design, which includes your flowchart and pseudocode, and questions for our next speaker as a pdf by the assignment due date, using TEACH: https://secure.engr.oregonstate.edu:8000/teach.php?type=want_auth