

ELEG 1043

Computer Applications in Engineering



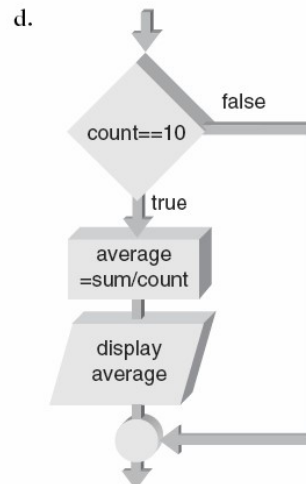
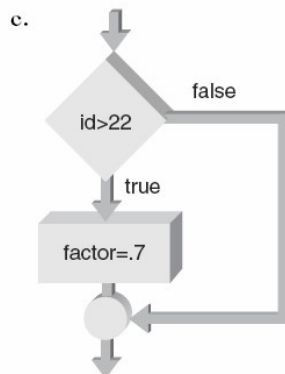
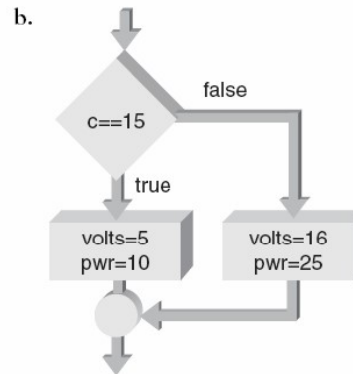
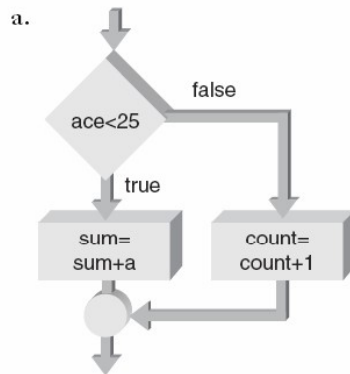
Homework Assignment 2

- **EXERCISES 4.2** in the textbook
 1. (Practice) Write appropriate `if` statements for the following conditions:
 - a. If an angle is equal to 90 degrees, print the message “The angle is a right angle”; else, print the message “The angle is not a right angle.”
 - b. If the temperature is above 100 degrees, display the message “above the boiling point of water”; else, display the message “below the boiling point of water.”
 - c. If the number is positive, add the number to the variable `positivesum`; else, add the number to the variable `negativesum`.
 - d. If the slope is less than 0.5, set the variable `flag` to 0; else, set `flag` to 1.

Homework Assignment 2

- **EXERCISES 4.2** in the textbook

2. (Practice) Write `if` statements corresponding to the conditions illustrated in the following flowcharts:



Due: 10/01/2018