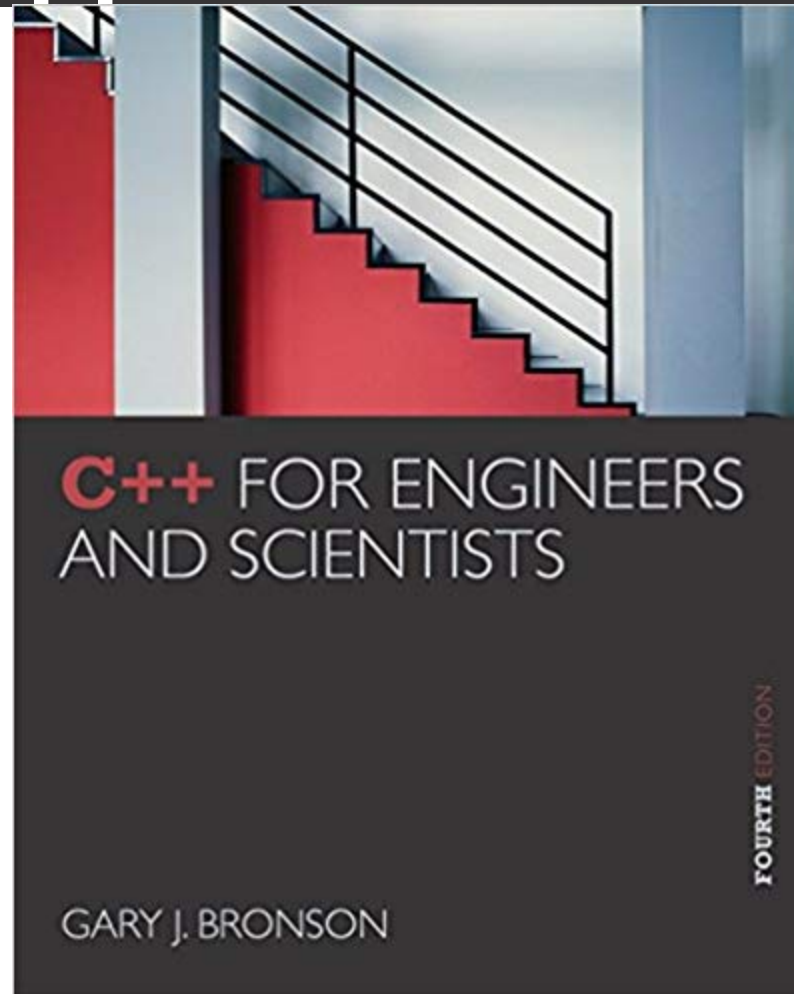


# ELEG 1043

## Computer Applications in Engineering



# Homework Assignment 2

- **EXERCISES 4.2** in the textbook

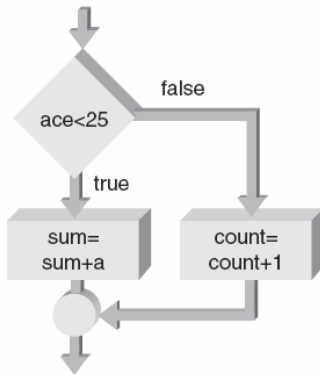
1. (Practice) Write appropriate `if` statements for the following conditions:
  - a. If an angle is equal to 90 degrees, print the message “The angle is a right angle”; else, print the message “The angle is not a right angle.”
  - b. If the temperature is above 100 degrees, display the message “above 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

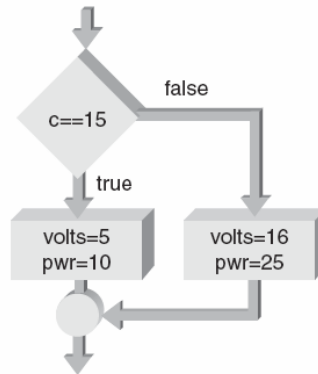
- EXERCISES 4.2** in the textbook

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

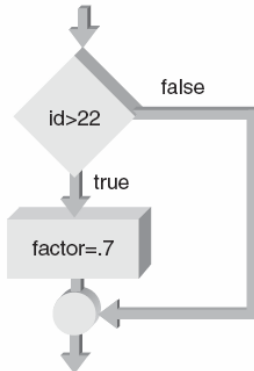
a.



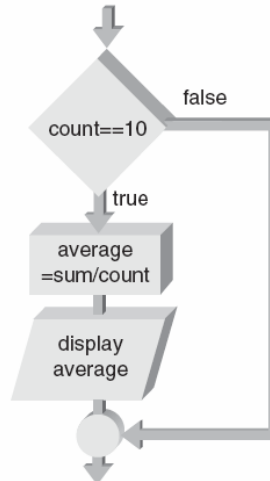
b.



c.



d.



Due: 02/26/2019