Computer Fundamentals

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Lecture 22

Pseudocode Keywords

➢ Several keywords can be used for a single process

➢ Input: READ, OBTAIN, GET
➢ Output: PRINT, DISPLAY, SHOW
➢ Compute: COMPUTE, CALCULATE, DETERMINE
➢ Initialize: SET, INIT
➢ Add one: INCREMENT, BUMP

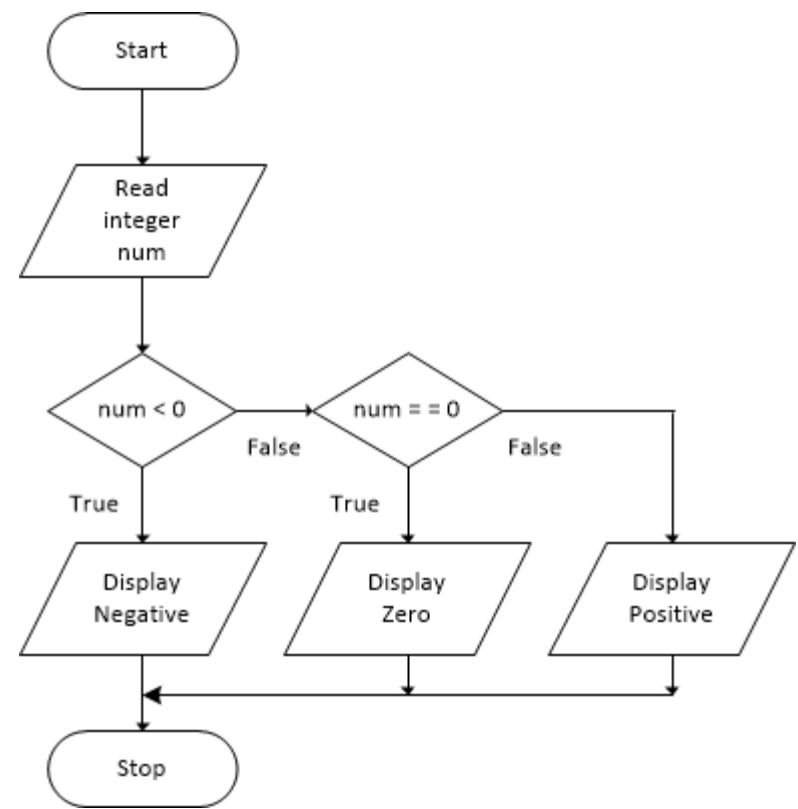*http://users.csc.calpoly.edu/~jdalbey/SWE/pdl_std.html*

Nested if else statements

➢ Write pseudocode and draw flow chart for a program to check whether an integer entered by user is positive, negative or zero

Prompt the user to enter an integer num
READ num

IF num is less than 0
   DISPLAY Negative
ELSE
   IF num is equal to zero
      DISPLAY Zero
   ELSE
      DISPLAY Positive
   END IF
END IF

➢ Write pseudocode and draw flow chart for a program that inputs two integers from the user, identifies the larger one of the two and displays it on the screen with a text message (e.g. 1st number is larger), otherwise displays the text message "Both are equal".

Class Task (cont.)

➤ Write pseudocode and draw flow chart for a program where the user input is monthly salary. The program has to determine the salary after tax deduction and display it on the screen. The tax for salary above 100,000 should be 10% of the salary. The tax for salary above 50,000 up to 100,000 should be 8% of the salary. Whereas the tax percentage for salary less than or equal to 50,000 should be 5%.

➤ Also perform the following additional tasks by creating two new flowcharts as well as pseudocodes.

❑ Display "Rich" if salary is above 100,000, "Average" if salary is above 50,000 up to 100,000, "Poor" if salary is less than or equal to 50,000.

❑ Display "Rich" if salary after tax deduction is above 100,000, "Average" if salary after tax deduction is above 50,000 up to 100,000, "Poor" if salary after tax deduction is less than or equal to 50,000.