EECE.2160: ECE Application ProgrammingSpring 2018

Lecture 17: Key Questions October 23, 2017

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1	Write	a fun	etion	that:

•	Given two integer arguments, x and y, store the quotient and remainder of x	/	y into
	locations specified by arguments q and r, respectively.		

• Uses pointers to swap the values of two double-precision variables

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M. Geiger Lecture 19: Key Questions

PE3: Functions

This exercise functions on the "change problem"—write a program that will, given an amount of change to be returned, determine the minimum number of coins required to fulfill that amount. In this specific problem, the amount is \$2.00 or less, and the coins available are half dollars, quarters, dimes, nickels, and pennies.

Use the space below and on the following page to draw a flowchart for this program.

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M. Geiger Lecture 19: Key Questions

Under what circumstances do you use functions? Identify the best opportunity to use a function in this program, and draw a flowchart that incorporates the function, as well as calls to that function.