Christopher Pybus

11/25/11

APCS

Compare and Contrast Programs

Out of all three of these versions, the first one is defiantly the easiest to implement and the easiest to follow. All it has is the main method, and then two println() statements inside that print a Hello message and its done.

This next one, the HelloWorldV2, uses a different flow of control to get the job done. It defines a separate method, in which are the two println() statements, and it uses that method in the main(). This is usually good programming if you are going to be executing the printTwoLines() method over and over, but for just these two println()’s and only being executed once, I think it’s totally unnecessary. It takes up 12 lines of code, when the entire program could’ve been written in 5. But it does keep the main() method nice and clean because it shifts all the code elsewhere.

The HelloWorldV3 class is even more unnecessary. It uses a default constructors to implement in the main class, and then uses the printTwoLines method through that constructors. On top of stacking the number of useless lines of code, it also initializes a totally useless statement; A statement that is normally only used when referring to cross-class methods. Even if the code in printTwoLines() needed to be executed many times, it’s still not a good option to pick. It over complicates to code and makes it harder to follow what’s happening… While it does to is keeps main() method clean, the rest of the class is a mess of unnecessary code.

Out of all three of the programs, my favorite would have to be the first one. It gets the job done in the least amount of chaos and messiness. For something that’s as simple as two println()’s and only going to be executed once, its definitely the simplest option to go with. Maybe if you had to execute the code half a dozen times or so, then the second class would be better for that, but because of the nature of the println()’s (a hello message, usually given once at the beginning of a program), it only seems like there would ever be one execution of this code.