COSC 1336 Program Documentation and Style Requirements

One of the requirements of this course is that you program in a professional programming style. 20% of your grade on each programming assignment will be based on program documentation and style. The goal is to make your program easy to read and understand:

* Each program must begin with a comment that includes: a) your name, b)program status – either “Complete” or describe any incomplete or non-functioning part of your program c)A 1-3 line description of what the program does.
* Programs should contain descriptive comments for calculations or other complex parts of the program.
* Use meaningful variable names. One or two characters are rarely meaningful. For example **c** and **ch** would not be acceptable names for a variable that hold the change returned from a purchase. **chng** is OK. **change** and **changeDue** are even better.
* Global constants should be used instead of numeric literals unless otherwise specified
* Do not use global variables
* All program output to the screen should be labeled correctly. Example : ‘Gross Pay is: ‘ gross\_pay
* All numeric output to the screen should be formatted appropriately using the format function or an f-string. For example, dollar fields should be in accounting format ($nn,nnn.nn)
* For programs created beginning with Ch. 5:
  + Programs should contain a main function which should come first followed by any sub- functions (if applicable)
  + Each function should begin with a 1-3 line comment describing what it does