COP4338 Assignment 2 Grading Rubric

100 points

If the submission is not a zip file it earns a 0.

If the program does not compile using your Makefile on ocelot it earns a 0.

Submission worth 10 points

* Not naming the program as specified in the directions. (bmptool for the program) -1
* Not naming the zip file appropriately (FirstnameLastnameA2) -1
* Not including all files expected in the submission. (Makefile, bmptool.c and possibly bmptool.h) -1
* Missing student name -1
* Missing affirmation of Originality -1
* Missing a program description -1
* Program should have good comments along with readable code. -2
* Program not structured nicely with good indentation -2

Requirements worth 30 points

* Program should use getopt. -5
* Program should print an error message and the usage statement if user input is wrong. -5
* Program should complete with a success return code of 0 or an error code if something else happens. -5
* Memory should be dynamically allocated for the image while working with it. -5
* Free should be used to free any memory allocated. -5
* Program should not rename any input or output files from the command line request. -5

Test cases (-3 for each one that does not work):

bmptool –f –o 1.bmp example.bmp

bmptool –r 90 –o 2.bmp example.bmp

bmptool –r -180 –o 3.bmp example.bmp

bmptool –s 2 –o 4.bmp example.bmp

bmptool –r -90 -f –o 5.bmp example.bmp

bmptool –r -90 –s 3 –o 6.bmp example.bmp

bmptool –f –r 90 –s 2 –o 7.bmp example.bmp

bmptool –s 2 example.bmp | bmptool –r 90 | bmptool –f –o 8.bmp

bmptool –f example.bmp | bmptool –f –o 9.bmp