In Class work for Lecture 3/24/2017

Objective: Learn about program optimization

1. Read the documentation for gcc on wcpkneel
    1.1.   What is the difference between -Os and -O2?
2.   Download inline_base.c
    2.1.   Compile it with each level of optimization separately
    2.2.   Complete the following table:
3.

Optimization Level	How long does it take to compile?	How big is the executable file?	How long did it take to run the program?
-O0			
-O1			
-O2			
-O3			
-Os			

    3.1.   When would you use -O0?
    3.2.   When would you use -O2?
    3.3.   When would you use -O3?
    3.4.   When would you use -Os?