

Engineering and Applied Science Programs for Professionals
Whiting School of Engineering
Johns Hopkins University
605.421 Foundations of Algorithms
Spring 2016 - Updated Programming Assignment Guidelines
Posted Friday, 29 January 2016

Typically, the programming assignments will be designed where you will implement algorithms and compare their performance on data sets of your choosing. For these assignments, you are required to submit source code, input files (if applicable), output files (if applicable), and a ReadMe file. These programs typically complement individual problems in the homework assignment for the modules in which it is assigned. To facilitate the grading of programming assignments, the following additional requirements must be followed:

- Some versions of the CLRS textbook come with a CD containing Java code for all of the algorithms in the text. You are allowed to use the code to complement your programming assignment. You must submit the individual files you use from the CLRS code not the entire set.
- All source code and supporting materials (described below) shall be submitted as part of the assignment when your programming assignment is submitted.
 - Eclipse IDE is required to create a Java Project for each Programming Assignment.
 - If other IDEs or command line is used specific instructions must be provided in the ReadMe.txt.
 - A main file that runs within the Java project you create must be provided.
 - All supporting files for the main class should be included in the submission.
 - Code must be documented, when commenting your code make sure to provide a brief list of any modification at the top of the code. Within your code you can provide specific detail. It is common practice to use JavaDoc-type comments at the start of a method that explains what the method is doing. In addition, the code should use method and function names that are “self-documenting.” For example, use “index” rather than “i” or “data[]” rather than “a[]”.
 - ReadMe.txt must include a list of the files in the project, specify the compiler (JDK version) as well as the IDE (Eclipse), specific compiling instructions, specify specific instructions to run your code.
- The source code and supporting materials shall be zipped into an archive file where the name of that archive file will be <lastname><assignment#>.zip or <lastname><assignment#>.tar.gz (or whatever is appropriate to your compression software). The “#” should be replaced with the number of the assignment.