In-Class Practice Problems

Ch. 5: Size Estimating
In-Class Practice Problem

■ *Using the data from the following scenario, make a size estimation using the Size Estimating Template (Table C39, p. 683) and its instructions (Table C40 on p. 684-685).*

■ *SCENARIO: Assume that you are going to enhance a previously-written program that has 500 LOC. As the program enhancements have been assessed, you have determined that there are two objects from your library which you will be able to reuse, 'sort' which has 75 LOC and 'search' which has 100 LOC. In the process of improving this program you also expect to modify 25 of the original LOC, to delete an additional 10 LOC, to add one medium-size base object of type text which has 5 methods, and to create the following new objects: 'graduate student', which you identify as a small data object which you expect to have 7 methods; 'payroll' which you identify as a moderately-sized calculation object with 15 methods; and 'report' which you identify as a small I/O object with 3 methods and is a good candidate for future reuse.*