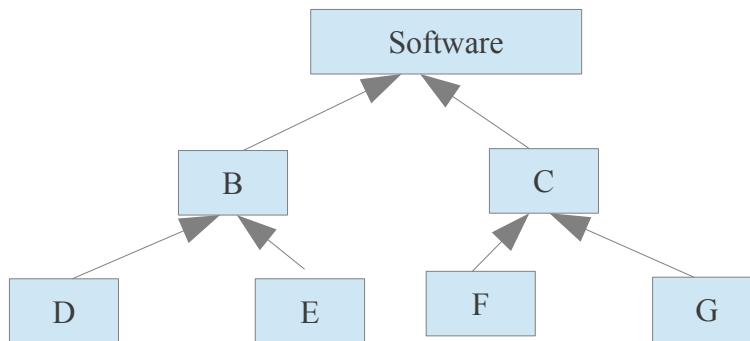


Gebze Institute of Technology
Department of Computer Engineering
CSE 241/CSE501
Object Oriented Programming
Fall 2013
Homework # 6
Due date Dec 2nd 2013 by 23:59

Read the Wikipedia page about software and software types at
http://en.wikipedia.org/wiki/List_of_software_categories

Chose at least 8 types of software from this list and make a class hierarchy of 3 levels such as below. Include a separate shape hierarchy document that shows your classes and their members (function and data).



Each class should have a least two data members defined in addition to the data members inherited. Each class should also have static variables that count the number of objects alive for that class.

Implement all setters and getter for each class.

Use separation of interface and implementation with your namespace.

Write the driver code for your classes for testing.

Notes:

- You should strictly follow the homework submission details and email your homework to the TA.
- Your program should be well commented and indented.
- There will be total of 11 files in your submission. Five C++ files and four header files. Please send a text file showing your results and the file that includes your shape hierarchy.