The project is expected to compile successfully in a generic C++ compiler, without use of any specific libraries specific for particular compilers/platforms/IDEs.

On expressions  to be covered - please see below some examples of the ones expected to be processed without errors :

((x:y?z)>y),x=2,y=3,z=1;  
(((x+3)<6)&((y+2)=5)),x=2,y=3;  
(((x\*3)=6)|(((y-2)>5)!)),x=2,y=10;  
((x+3)/6),x=21;

Thanks.

Dear Class,

Please find some clarifications on your Project 2 deliverables.

In the Project 2 you are completing and extending the C++ program  found in the Module 3 case study. First, you supplement the Module 3 case study codes with Minus, Times and Divide classes. Second, you extend the program to support relational, logical and conditional expressions. The program should accept input files allowing both single and multiple expressions.

Your complete  Project 2 deliverable is expected to be submitted by the end of the Week 8 , not later than Dec 15, 11:59 PM.  **No extensions can be granted**as  the final grades  have to be submitted to the University Registrar within two days after the term completion. The Project 2 deliverables posted to the gradebook  by Dec 15, 11:59 PM are final. No resubmissions will be accepted. Review carefully the requirements and grading rubric for Project 2 and the Project 2 Submission guidelines below and those.

The  Project 2 deliverable submission is expected to  include:

1. Complete source code files correctly implementing all required functionalities. The C++ codes should compile and run in the standard C++. In case you have used an IDE remove all specific IDE induced constructs, if any and  recheck that the application runs outside  that IDE environment. Indicate which IDE you have used and why.

2. Word or PDF documentation file providing screen shots of successfully compiling and executing the program. Your documentation should also include a detailed description of your solution and explanations of the application  supplements made.

3. A detailed  test plan that contains :

      a) a separate test for each single expression

      b) several tests  ( not less then 5) of a variety of complex expressions including logical , conditional and relational operators. All of the required operators have to be covered in the set of such tests.

Each test case should include the expression and its expected value. Make sure that your deliverable includes the original input files  so that these files  can be used when  reviewing and testing the functionality of your project.

In the MS Word ( or pdf ) documentation :  for each test case the content of the input file should be shown together with the screen shot of the resulting run. Please make your screen shot images readable.

4. Description of the process and lesson learned while completing this project. Be specific.

5.  All the files relevant to the project  (including source files, input files, documentation file(s) etc) must be zipped as  **one** .zip archive, which you will submit as your final Project 2 deliverable. Do not submit multiple separate files as your Project 2 deliverable - they will not be accepted.

Success with the Project 2.