

You must submit a zipped, **and only zipped**, archive of your directory, project2. The directory shall contain, at a minimum, the files project2/src/grade.cpp, project2/inc/grade.h, project2/src/rational.cpp and project2/inc/rational.h. Name the archive submission file project2.zip

I will use my own makefile to compile and link your files. You must submit, at least, those four files.

Introduction

In this project, you will update your Grade class to inherit from a Rational class of your creation. The Rational object will provide an abstraction of a subset of your Grade class' functionality. The Grade class will extend Rational, override some methods, and provide operators for others.

Read the provided header file documentation for instructions on how the methods should work.

Points

Correctness

1. Rational::Rational: 0.8 points
2. Rational::ToDouble: 0.8 points
3. Rational::ToString: 0.8 points
4. Rational::Equals: 0.8 points
5. Rational::DividedBy: 0.8 points
6. Rational::Plus: 0.8 points
7. Grade::Grade: 0.8 points
8. Grade::ToDouble: 0.8 points
9. Grade::ToString: 0.8 points
10. Grade::operator==: 0.8 points

Base Submission

- compilation of each test (ten tests above): 0.1 points each
- Please double check Expected and Actual of your make tests

Total: $8.0 + 1.0 = 9.0$ Points Possible

Testing

I have provided you basic test apps which you can use to ensure that your code is, at least partially correct. I would suggest a more rigorous testing scheme to ensure that your methods handle missing data.