Project 2 Extra Credit

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For this problem, I must make a class ‘Rational’ from which objects will be created from. Each object will represent a fraction. With those objects, I can manipulate their characteristics or data members to create more objects. The characteristics of each object will just be the numerator and denominator, but I can make all of the member functions that are required to solve the problem by utilizing those data members.

For the most part, I follow the given instructions and the video provided by the professor. I use two integer variables to represent the private data of the class, which would be the numerator and denominator. Then I provide a default construct when an object is made. Then I proceed to make member functions by making the function require a ‘rational’ as an argument. I then use the argument to my advantage to make new objects. The tricky part came when asked to simplify the ‘rationals’. It required some thinking but with the help of the video, I was able to make it work. Then I just used the member functions in the testClass file for one rational and copy pasted it a bunch of times, each with slight changes for different actions.

A screenshot of a computer

Description automatically generated