Exercise

- This exercise asks us to create a class called Rational to perform arithmetic with fractions

- Fraction data should be stored as numerator and denominator and should be stored in reduced form

- The class should include member functions for addition, subtraction, multiplication, division, and printing

Class Interface

```
class Rational
{
  public:
    Rational(int = 0, int = 1);
    Rational addition(const Rational &);
    Rational subtraction(const Rational &);
    Rational multiplication(const Rational &);
    Rational division(const Rational &);
    void printRational();
  private:
    int numerator;
    int denominator;
    void reduction();
};
```

Driver or Main

```
Rational cRational1(1, 3);
Rational cRational2(7, 8);
Rational cRational3;

cRational1.printRational();
cout << " * ";
cRational2.printRational();
cRational3 = cRational1.multiplication(d);
cout << " = ";
cRational3.printRational();
cout << '\n';
```

Exercise

- You are to code up the Rational class in Visual Studio

- Be sure to create .h and .cpp files as needed

- Once you are complete, submit your project to the CS250 drop folder
    - Name your project 01RationalPUNets