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Fall 2022 Name2:

**CODE REVIEW CHECKLIST**

**Program 2 (Fraction Class)**

Thoroughly test your program using this checksheet.

Each checkbox can be clicked on. To unclick a checkbox, hover the mouse of ther check mark until a red background appears, and left click on it.

The points for each aspect of the program are given below. If you give a check mark for any of the following that are found NOT TO WORK, then DOUBLE THE POINTS will be deducted.

**Fraction Class Constructors**

*A Fraction may be constructor from a given numerator and denominator integer value, or from  
another Fraction object. An exception is thrown if a 0 value is provided for the denominator.*

|  |  |
| --- | --- |
| Can properly construct a fraction from a given numerator and denominator. |  |
| An exception is thrown if a denominator value of 0 is given. |  |
| Can construct a fraction from another provided Fraction object. |  |

**General Methods**

*The toString, equals, lessThan and greaterThan methods are properly implemented.*

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| The toString method returns the appropriate string value. |  |
| The equals method returns the correct result on fractions that are arithmetically equal. |  |
| The lessThan method returns the correct result for any two fractions. |  |
| The greaterThan method returns the correct result for any two fractions. |  |

**Fraction Operators**

*The methods correctly implement the arithmetic and other operators the Fraction class design..*

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| The add method returns the correct result for any two fractions. |  |
| The subtract method returns the correct result for any two fractions. |  |
| The multiply method returns the correct result for any two fractions. |  |
| The divide method returns the correct result for any two fractions. |  |
| The abs method returns the correct result for any fraction. |  |
| The ConvertToDecimal method returns the correct result for any fraction. |  |
| The isReducedForm method returns the correct result for any fraction. |  |
| The isUnitFrac returns the correct result for any fraction. |  |
| The isProperFract method returns the correct result for any fraction. |  |