**Testing Documentation**

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| **Test 1** | |
| **Description** | Entering a reduced fraction |
| **Input** | 1, 4 |
| **Expected Output** | 2/1, ¼, 9/4, ½, ¼ is less, 2/1 is greater |
| **Actual Output** |  |

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| **Test 2** | |
| **Description** | Enter a fraction that can be reduced |
| **Input** | 245,390 |
| **Expected Output** | 2/1, 49/78, 205,78, 49/39, 49/78 is less, 2/1 is greater |
| **Actual Output** |  |

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| **Test 3** | |
| **Description** | Denominator entered is larger than denominator |
| **Input** | 27, 4 |
| **Expected Output** | 2/1, 27/4, 35/4, 27/2, 2/1 is less, 27/4 is greater |
| **Actual Output** |  |

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| **Test 4** | |
| **Description** | Entered fraction is same as already stored fraction |
| **Input** | 2, 1 |
| **Expected Output** | 2/1, 2/1, 4/1, 4/1, 2/1 is less or equal, 2/1 is less or equal |
| **Actual Output** |  |

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| **Test 5** | |
| **Description** | Enter negative numerator |
| **Input** | -6, 19, 38 |
| **Expected Output** | 2/1, ½, addition is 5/2, multiplication is 1/1, ½ is less, 2/1 is greater |
| **Actual Output** |  |

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| **Test 6** | |
| **Description** | Enter negative denominator |
| **Input** | 21, -4, 23 |
| **Expected Output** | 2/1, 21/23, addition is 67/23, multiplication is 42/23, 21/23 is less, 2/1 is greater |
| **Actual Output** |  |

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| **Test 7** | |
| **Description** | Enter denominator=0 |
| **Input** | 7, 0, 2 |
| **Expected Output** | 2/1, 7/2, addition is 11/2, multiplication is 7/1, 2/1 is less, 7/2 is greater |
| **Actual Output** |  |

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| **Test 8** | |
| **Description** | Enter numerator=0 |
| **Input** | 0, 12 |
| **Expected Output** | 2/1, 0/1, addition is 2/1, multiplication is 0/1, 0/1 is less, 2/1 is greater |
| **Actual Output** |  |