Sample Run 1:

```
RationalNumber c(2, 5), d(3, 10), x;
```

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA09 git:(main)±3 (1.569s)
./app_prog1
2/5 + 3/10 = 7/10
2/5 - 3/10 = 1/10
2/5 * 3/10 = 3/25
2/5 / 3/10 = 4/3
2/5 is:
  > 3/10 according to the overloaded > operator
  >= 3/10 according to the overloaded < operator
  >= 3/10 according to the overloaded >= operator
  > 3/10 according to the overloaded <= operator
  != 3/10 according to the overloaded == operator
  != 3/10 according to the overloaded != operator
```

Sample Run 2:

```
RationalNumber c(4, 7), d(1, 14), x;
```

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA09 git:(main)±3 (1.697s)
./app_prog1
4/7 + 1/14 = 9/14
4/7 - 1/14 = 1/2
4/7 * 1/14 = 2/49
4/7 / 1/14 = 8
4/7 is:
  > 1/14 according to the overloaded > operator
  >= 1/14 according to the overloaded < operator
  >= 1/14 according to the overloaded >= operator
  > 1/14 according to the overloaded <= operator
  != 1/14 according to the overloaded == operator
  != 1/14 according to the overloaded != operator
```

Sample Run 3:

```
RationalNumber c(5, 8), d(3, 4), x;
```

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA09 git:(main)±3 (2.516s)
./app_prog1
5/8 + 3/4 = 11/8
5/8 - 3/4 = -1/8
5/8 * 3/4 = 15/32
5/8 / 3/4 = 5/6
5/8 is:
  <= 3/4 according to the overloaded > operator
  < 3/4 according to the overloaded < operator
  < 3/4 according to the overloaded >= operator
  <= 3/4 according to the overloaded <= operator
  != 3/4 according to the overloaded == operator
  != 3/4 according to the overloaded != operator
```

Sample Run 4:

```
RationalNumber c(9, 2), d(6, 4), x;
```

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA09 git:(main)±3 (1.745s)
./app_prog1
9/2 + 3/2 = 6
9/2 - 3/2 = 3
9/2 * 3/2 = 27/4
9/2 / 3/2 = 3
9/2 is:
  > 3/2 according to the overloaded > operator
  >= 3/2 according to the overloaded < operator
  >= 3/2 according to the overloaded >= operator
  > 3/2 according to the overloaded <= operator
  != 3/2 according to the overloaded == operator
  != 3/2 according to the overloaded != operator
```

Sample Run 5:

```
RationalNumber c(11, 3), d(5, 6), x;
```

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA09 git:(main)±3 (1.542s)
./app_prog1
11/3 + 5/6 = 9/2
11/3 - 5/6 = 17/6
11/3 * 5/6 = 55/18
11/3 / 5/6 = 22/5
11/3 is:
  > 5/6 according to the overloaded > operator
  >= 5/6 according to the overloaded < operator
  >= 5/6 according to the overloaded >= operator
  > 5/6 according to the overloaded <= operator
  != 5/6 according to the overloaded == operator
  != 5/6 according to the overloaded != operator
```