

Run 1:

```
vedantsinha@macbookpro PA9 % g++ app_prog1.cpp RationalNumber.cpp -o my_program
vedantsinha@macbookpro PA9 % ./my_program
7/3 + 1/3 = 8/3
7/3 - 1/3 = 2
7/3 * 1/3 = 7/9
7/3 / 1/3 = 7
7/3 is:
> 1/3 according to the overloaded > operator
≥ 1/3 according to the overloaded < operator
≥ 1/3 according to the overloaded ≥ operator
> 1/3 according to the overloaded ≤ operator
≠ 1/3 according to the overloaded = operator
≠ 1/3 according to the overloaded ≠ operator
```

Run 2:

```
vedantsinha@macbookpro PA9 % g++ app_prog2.cpp RationalNumber.cpp -o my_program
vedantsinha@macbookpro PA9 % ./my_program
4/3 + 5/2 = 23/6
4/3 - 5/2 = -7/6
4/3 * 5/2 = 10/3
4/3 / 5/2 = 8/15
4/3 is:
≤ 5/2 according to the overloaded > operator
< 5/2 according to the overloaded < operator
< 5/2 according to the overloaded ≥ operator
≤ 5/2 according to the overloaded ≤ operator
≠ 5/2 according to the overloaded = operator
≠ 5/2 according to the overloaded ≠ operator
```

Run 3:

```
vedantsinha@macbookpro PA9 % g++ app_prog3.cpp RationalNumber.cpp -o my_program
vedantsinha@macbookpro PA9 % ./my_program
1/2 + 1/2 = 1
1/2 - 1/2 = 0
1/2 * 1/2 = 1/4
1/2 / 1/2 = 1
1/2 is:
≤ 1/2 according to the overloaded > operator
≥ 1/2 according to the overloaded < operator
≥ 1/2 according to the overloaded ≥ operator
≤ 1/2 according to the overloaded ≤ operator
= 1/2 according to the overloaded = operator
= 1/2 according to the overloaded ≠ operator
```

Run 4:

```
vedantsinha@macbookpro PA9 % g++ app_prog4.cpp RationalNumber.cpp -o my_program
vedantsinha@macbookpro PA9 % ./my_program
2/7 + 5/11 = 57/77
2/7 - 5/11 = -13/77
2/7 * 5/11 = 10/77
2/7 / 5/11 = 22/35
2/7 is:
  ≤ 5/11 according to the overloaded > operator
  < 5/11 according to the overloaded < operator
  < 5/11 according to the overloaded ≥ operator
  ≤ 5/11 according to the overloaded ≤ operator
  ≠ 5/11 according to the overloaded = operator
  ≠ 5/11 according to the overloaded ≠ operator
```

Run 5 :

```
vedantsinha@macbookpro PA9 % g++ app_prog5.cpp RationalNumber.cpp -o my_program
vedantsinha@macbookpro PA9 % ./my_program
3 + 7 = 10
3 - 7 = -4
3 * 7 = 21
3 / 7 = 3/7
3 is:
  ≤ 7 according to the overloaded > operator
  < 7 according to the overloaded < operator
  < 7 according to the overloaded ≥ operator
  ≤ 7 according to the overloaded ≤ operator
  ≠ 7 according to the overloaded = operator
  ≠ 7 according to the overloaded ≠ operator
```