

Test Result

双击main.bat, 等待程序运行至出现输入提示语:

```
C:\WINDOWS\system32\cmd.exe

D:\Course\2021_2022SS\oop\Assignment\lab5>g++ main.cpp fraction.cpp -o out

D:\Course\2021_2022SS\oop\Assignment\lab5>. \out.exe
Please input the numerator and the denominator of fraction1:
```

此时根据提示, 输入fraction1的分子及分母, 用空格隔开:

按相同的格式输入fraction2的分子及分母, 此时程序分别输出f1以及f2的运算结果, 以及拷贝构造函数的结果。

```
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D:\Course\2021_2022SS\oop\Assignment\lab5>g++ main.cpp fraction.cpp -o out

D:\Course\2021_2022SS\oop\Assignment\lab5>. \out.exe
Please input the numerator and the denominator of fraction1:
3 4
Please input the numerator and the denominator of fraction2:
2 3
f1 + f2 = 17/12
f1 - f2 = 1/12
f1 * f2 = 1/2
f1 / f2 = 9/8
f7 = f1 = 3/4
Please input the numerator and the denominator of fraction to be compared with fraction1:
```

再根据最新的提示语 Please input the numerator and the denominator of fraction to be compared with fraction1: 输入一个新的fraction, 与f1进行比较运算, 输入格式与fraction1相同:

接下来的6行为新输入的fraction与f1的比较运算, 0为false, 1为true;

接下来的两行为将fraction分别转为浮点数以及字符串的结果: 0.750 和 3/4

```
Please input the numerator and the denominator of fraction to be compared with fraction1:
2 4
This fraction == f1: 0
This fraction >= f1: 0
This fraction <= f1: 1
This fraction > f1: 0
This fraction < f1: 1
This fraction != f1: 1
Transform fraction1 to floating number: 0.750
Transform fraction1 to string: 3/4
Input a finite decimal string, we convert it to a fraction:
```

再根据最新的提示语 Input a finite decimal string, we convert it to a fraction: 输入一个小数, 程序会把它转化为分数:

如输入小数 1.414, 程序将它转化为分数为 707/500

```
Transform Fraction to String: 6/1  
Input a finite decimal string, we convert it to a fraction: 1.414  
707/500  
请按任意键继续. . .
```

自此fraction类的功能测试完毕。