

Laboratory work 4

all programs are written in  python3

problem 1

Write a program that finds the largest in a series of numbers entered by the user. The program must prompt the user to enter numbers one by one. When the user enters 0 or a negative number, the program must display the largest nonnegative number entered:

```
1 Enter a number: 60
2 Enter a number: 38.3
3 Enter a number: 4.89
4 Enter a number: 100.62
5 Enter a number: 75.2295
6 Enter a number: 0
7 The largest number entered was 100.62
```

Notice that the numbers aren't necessarily integers.

problem 2

Write a program that asks the user to enter two integers, then calculates and displays their greatest common divisor (GCD):

```
1 Enter two integers: 12 28
2 Greatest common divisor: 4
```

problem 3

Write a program that asks the user to enter a fraction, then reduces the fraction to lowest terms:

```
1 Enter a fraction: 6/12
2 In lowest terms: 1/2
```