Introduction to programming

Lab 5

1. Do exercises on SPOJ at the following link:

https://www.spoj.com/EIUDISC2/problems/introf20_04/

2. Calculate $S(n) = 1 + \frac{1}{1+2} + \frac{1}{1+2+3} + \cdots + \frac{1}{1+2+3+\cdots+n}$ (n > 0)

3. Print the greatest common divisor of two integer number a, b (a, b ≥ 0)

4. Print the first n Fibonacci numbers (n > 1) with

$$f_0 = f_1 = 1, \text{ and } f_n = f_{n-1} + f_{n-2};$$