Introduction to programming

Lab 5

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

2. Print the greatest common divisor and least common multiple of two integer number a, b (a, b ≥ 0).

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

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

4. Do exercises on SPOJ at the following link:

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