Lab session (15th Dec)

Part 1:

1. `if (var == (var/2)*2)`
2. Pseudocode:
    - Set a $\leftarrow 1$
    - while a < sum, do the following:
        - print the values of both a and $sum - a$ followed by newline.
        - Increment a.
3. Pseudocode:
    - Set a $\leftarrow 1$
    - while $a < product/2$, do the following
        - If a divides $product$, then print a and $(product/a)$ followed by newline.
        - Increment a.

Part 2:

1. Pseudocode:
    - Let `count` be an `int` variable.
    - while n > 0, do the following:
        - Set count to 0.
        - while count < n do the following:
            - Print *
            - Increment count
        - Print newline
        - Decrement n
2. Pseudocode:
    - Let `prev`, `current`, `next`, `count` be integer variables. We find the n'th fibonacci as follows:
    - Set prev $\leftarrow 0$, current $\leftarrow 1$
    - if $n = 1$, then print "0"
    - else:
        - Print "0 1 "
        - Set count $\leftarrow 3$
        - while count <= n do the following:
            - next $\leftarrow$ current + prev
            - Print the value of `next` followed by space
            - prev $\leftarrow$ current
            - current $\leftarrow$ next
            - Increment count