

Hand-in week 8

Link to my code on github: <https://github.com/Aarhus-University-ECE/assignment-8-Dan-jpg2>

Exercise 1) Text answer:

Given the code in exercise 1 consider the following:

- a. How many arithmetic operations are required to compute $fact(5)$?

In the function that is given we have 2 arithmetic operations for each loop of the function.
The counter " $i = i + 1$ " and " $f = i * f$ ".
This means the total amount of arithmetic operations in $fact(5)$ would result in 10.

- b. How many arithmetic operations are required to compute $fact(n)$? for any positive integer n

In this case it's simply to say the n number of times we must take fact and multiply it by 2.