

# Task 1 #

1. **Explain Lines 5–13 and what is the purpose of these lines?**

The purpose of the lines is to define some constants that can be used in the code to make it more readable.

Its easier to remember `SYS_EXIT` than it is to remember that 1 is the `SYS_EXIT` call

2. **What does Line 17 do? In particular, explain `resb` in this line.**

The `resb` instruction reserves a block of memory in the data section.

The `4` specifies that it should be 4 bytes reserved

The `siffer` is just a variable name so the reserved space can be accessed later

3. **Which lines in the program are supposed to print the messages below? Explain your answer.**

`Skriv to ensifrede tall skilt med mellomrom.`

`Summen av tallene maa vaere mindre enn 10.`

It is the line `int 80h` that actually prints the line,

the ones before just move the messages into the correct buffers

for the system to write to `STDOUT`

4. **After executing the instruction on Line 43, which line the program counter will jump to?**

It will jump to the first instruction inside the `lessiffer` function, which is line 89.

5. **Which lines are included in the `lessiffer` block?**

lines 89 and 90

6. **The block `Feil` on Line 113 is called conditionally from Lines 104 & 106. Where does the `ret` instruction on Line 122 return to?**

`ret` on line 122 returns to the `_start` section where the `lessiffer` function was called.