

Dat103 – oblig2-gruppe 65 - Task1

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.

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.

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

It is the line `int 80h` that prints the line and the those before just move the message 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?

The lines that are in the `lessiffer` block are 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.