Experiment 2 – Memory and variable operations
2020-2021 Spring

Work(14:00):

Write an 8088/8086 assembly language code which will count the number of <u>words in a sentence</u> hold in a memory location. For the simplicity you can define the sentence in the memory within your code with a data statement(e.g. **mysentence db "This is ....**).

Each word is considered to be separated with a space character.

Your solution should work for any input we may enter.

Example : *Technically, anything with a microprocessor can be considered a robot.*

The sentence above has 10 words, printing **10** to the screen is enough for the answer.

When the program ends <u>the result should be printed on the text screen</u>.

 - Your program should terminate, no infinite loops can occur.
 - You should not waste any iteration cycles, your loops must not iterate more than needed checks.