8086 Microprocessor

↳ 8086 Simulator → MASM.
↓
DOS based Simulator.

1. Install DOS environment for 32-bit.

→ DOSBOX

2. Files for MASM

↳ a zip file named as 8086_MASM-main.zip

↳ Extract the file and save it on
C drive with the folder name as
8086.

↳ How to work with it?.

① open DOSBOX application (Shortcut on desktop).

② mount C C:\8086

③ C:\

④ C:\> edit j.asm → This will open a window for writing prog.

(Alt + Enter for full screen).

Write and save the prog.

⑤ C:\> masm j.asm
        keep ↵
    if no error are ~~there~~ there ~~then~~.

⑥ C:\> link j.obj
        keep ↵

⑦ C:\> debug j.exe.
    —t

LAB 8086

① Program to add two ~~bit~~ 16-bit numbers.

② Program to subtract two 16-bit numbers.

③ Program to multiply two 8-bit numbers.
                                (16-bit / 8-bit).

④ Program to Divide.

File

→ before writing the program you
   will write about assemble directive,

   Masm - installation
   Steps for executing program.

→ Program with flowchart.