Hello World in Assembly

[05/01/2022]

This is the code for "Hello World " in assembly language, compiled using the MASM Assembler

```
data segment
        msg db "hello FOUNTAIN", "$"
data ends
code segment
        assume cs:code, ds:data
        start:
                mov ax, data
                mov ds, ax
                mov ah, 09h
                lea dx, msg
                int 21h

stop:
        mov ax, 4C00H
        int 21h
code ends
        end start
```

Instructions:

1. Launch DOSBOX
2. Mount the C:\8086 drive using the `mount c c:\\8086` command
3. Change to the C drive using the `c:` command
4. When in the C: drive type `edit`
5. A blue screen would open
6. Type in the code above
7. Once done click *file* and *save*
8. Save it as [filename].asm
9. Then exit the edit window by selecting *file* then *exit*
10. Then type `MASM [filename].asm`
11. Then type `[filename].obj`
12. Press enter twice
13. If the code is error free it should show, 0 minor errors and 0 severe errors
14. Then type `link [filename].obj`
15. Repeat steps 11 & 12
16. The [filename].exe should have been created in the 8086 folder
17. type `[filename].exe` which should launch the program