

CAMINHO ASM
ASSEMBLY
NANO
2023

edit: C:\emu8086\MySource\HELLOHORLD.asm

file edit bookmarks assembler help

NEW

OPEN

SAVE

ASSEMBLE

RUN

```
01 .model tiny          ; SALVE EM .ASM
02 .code                ; CODE SEGMENTE
03 org 100h             ; CODE START AAT OFFSET 100H
04
05 main proc near       ;
06
07 mov ah,09h           ; FUNCTION PARA MOSTRAR UM DISPLAY
08 mov dx,offset message ; OFFSET DA MENSAGEM TERMINANDO EM $
09 int 21h              ; DOS INTERRUPT
10
11 mov ah,4ch           ; RUNCTION PARA TERMINAR
12 mov al,00            ;
13 int 21h              ; DOS INTERRUPT
14
15 endp                 ;
16 message db "HELLO WORLD $" ; MENSAGEM MOSTRADA $
17
18 end main             ; FIM DO MEU PRIMEIRO PROGRAMA .ASM
```



31°C Parc ens...



13:53



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NEW

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ASSEMBLE

RUN

.model tiny ; SALVE EM .ASM

emulator: HELLOHORLD.com_

file debug view virtual devices virtual drive help

LOAD

reload

step back

single step

run

step delay ms: 0

registers

H L

AX 00 00

BX 00 00

CX 00 1A

DX 00 00

CS 0700

IP 0100

SS 0700

SP FFFE

BP 0000

SI 0000

DI 0000

DS 0700

ES 0700

0700:0100

07100: B4 180
07101: 09 009
07102: BA 186
07103: 0D 013
07104: 01 001
07105: CD 205
07106: 21 033
07107: B4 180
07108: 4C 076
07109: B0 176
0710A: 00 000
0710B: CD 205
0710C: 21 033
0710D: 48 072
0710E: 45 069
0710F: 4C 076

0700:0100

MOV AH, 09h
MOV DX, 0010Dh
INT 021h
MOV AH, 04Ch
MOV AL, 00h
INT 021h
DEC AX
INC BP
DEC SP
DEC SP
DEC DI
AND [BX] + 04Fh,
PUSH DX
DEC SP
INC SP
...

screen

source

reset

aux

vars

debug

stack

flags

OFFSET 100h

MOSTRAR UM
AGEM TERMI

TERMINAR

ADA \$

MEIRO PROG

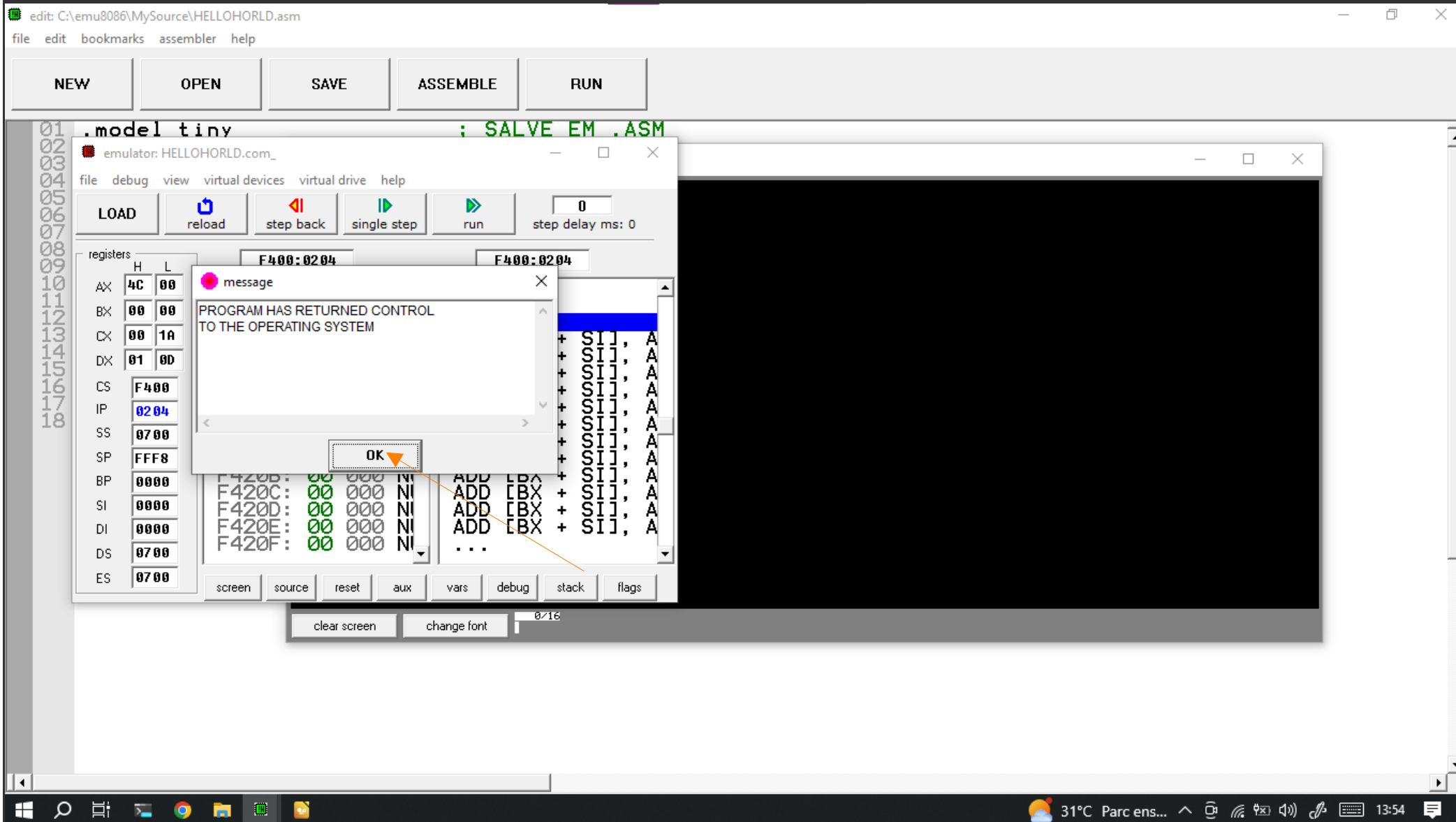
original source code

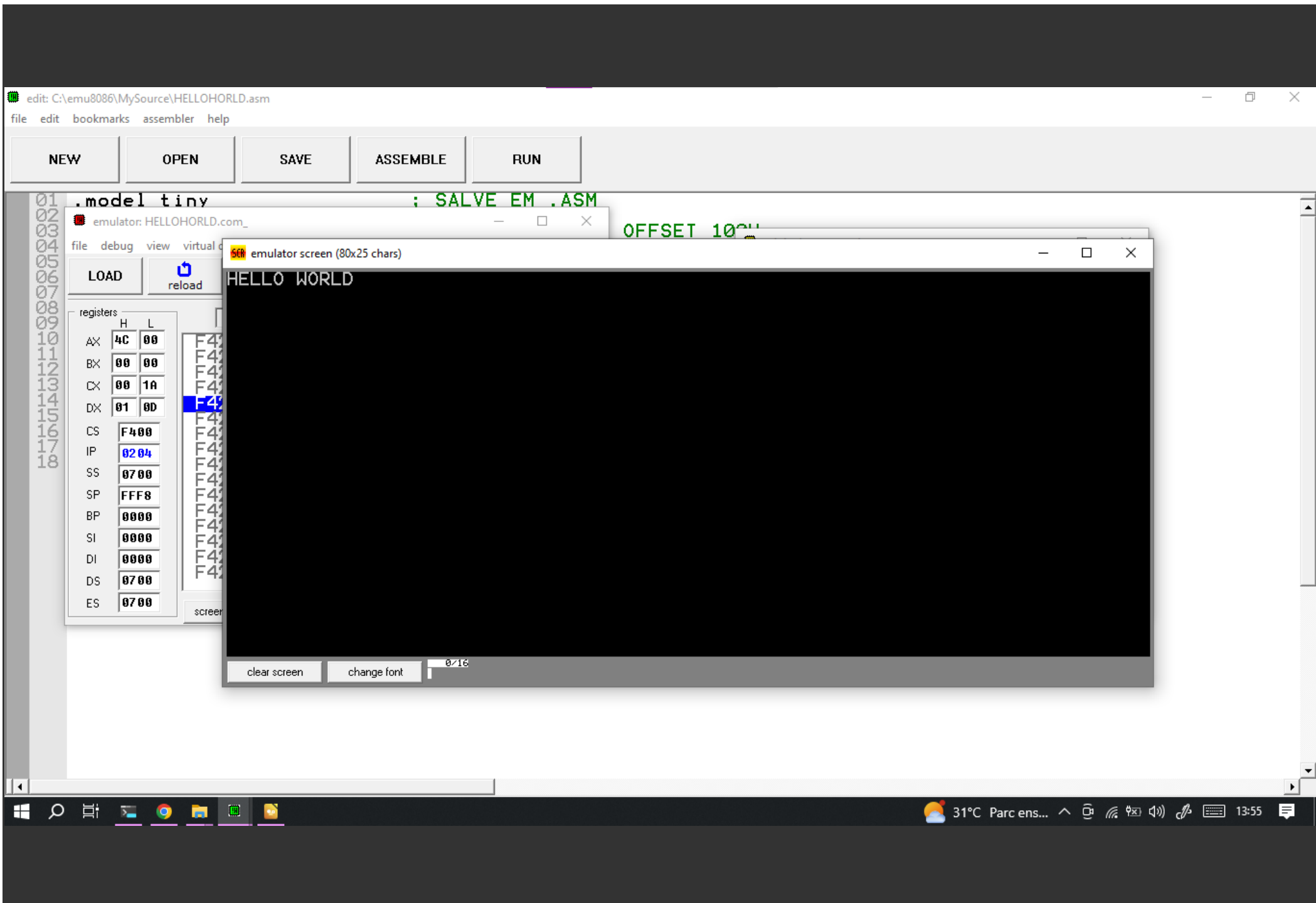
```
01 .model tiny
02 .code
03 org 100h
04
05 main proc near
06
07 mov ah, 09h
08 mov dx, offset message
09 int 21h
10
11 mov ah, 4ch
12 mov al, 00
13 int 21h
14
15 endp
16 message db "HELLO WORLD $"
17
18
19
20 end main
```



31°C Parc ens...







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NEW OPEN SAVE ASSEMBLE RUN

01 .model tiny ; SALVE EM .ASM

02

03

04

05

06

07

08

09

10

11

12

13

14

15

16

17

18

OFFSET 10CH

file debug view virtual console

LOAD reload

registers	
	H L
AX	4C 00
BX	00 00
CX	00 1A
DX	01 00
CS	F400
IP	0204
SS	0700
SP	FFF8
BP	0000
SI	0000
DI	0000
DS	0700
ES	0700

emulator screen (80x25 chars)

HELLO WORLD

clear screen change font 0/16

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