Welcome to the world of NASM,

Linux assembly programming very soon!

P-01

codingground Compile and Execute Assembly Online (Nasm v2.13.01) Share main.asm STDIN %macro write_string 2 mov eax, 4 mov ebx, 1 mov ecx, %1 mov edx, %2 int 80h %endmacro %macro exitsys 1 mov eax,%1 int 0x80 %endmacro section .text global _start _start: write_string msg1, len1 write_string msg2, len2 write_string msg3, len3 exitsys 1 .data msg1 db 'Hello, C335',0xA,0xD len1 equ \$ - msg1 msg2 db 'Welcome to the world of NASM,', $\theta xA,\theta xD$ len2 equ $\mbox{\$-} msg2$ 37 msg3 db 'Linux assembly programming very soon! '
38 len3 equ \$- msg3 I.II Result \$nasm -f elf *.asm; ld -m elf_i386 -s -o demo *.o \$demo Hello, C335

Source Code:

```
%macro write_string 2
      mov eax, 4
     mov ebx, 1
     mov ecx, %1
     mov edx, %2
      int 80h
 %endmacro
 %macro exitsys 1
     mov eax,%1
                             ;system call number (sys_exit)
      int 0x80
                       ;call kernel
 %endmacro
section
           .text
 global _start
                       ;must be declared for using gcc
                 ;tell linker entry point
_start:
 write_string msg1, len1
 write_string msg2, len2
 write_string msg3, len3
 exitsys 1
section
           .data
msg1 db 'Hello, C335',0xA,0xD
len1 equ $ - msg1
msg2 db 'Welcome to the world of NASM,', 0xA,0xD
```

len2 equ \$- msg2 msg3 db 'Linux assembly programming very soon! ' len3 equ \$- msg3