# Online Assembler - NASM Compiler IDE

https://www.jdoodle.com/compile-assembler-nasm-online/

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```
 1    section .text
 2       global _start      ;must be declared for linker (ld)
 3
 4    _start:              ;tells linker entry point
 5       mov   edx,len      ;message length
 6       mov   ecx,msg      ;message to write
 7       mov   ebx,1        ;file descriptor (stdout)
 8       mov   eax,4        ;system call number (sys_write)
 9       int   0x80         ;call kernel
10
11       mov   eax,1        ;system call number (sys_exit)
12       int   0x80         ;call kernel
13
14    section .data
15    msg db 'Hello, world!', 0xa  ;string to be printed
16    len equ $ - msg      ;length of the string
```

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