



TALLER 10
ORGANIZACIÓN DE COMPUTADORAS
21/11/2025

HelloWorld.asm

445d39qfe 

```
1 section .data
2 char db 0
3 newline db 10
4 section .text
5 global _start
6 _start:
7
8 mov al, 1
9 shl al, 6
10 shr al, 0
11 ror al, 8
12 rol al, 0
13 add al, 1
14
15 mov [char], al
16
17
18 mov eax, 4
19 mov ebx, 1
20 mov ecx, char
21 mov edx, 1
22 int 0x80
23
24 mov eax, 4
25 mov ebx, 1
26 mov ecx, newline
27 mov edx, 1
28 int 0x80
29
30 mov eax, 1
31 xor ebx, ebx
32 int 0x80
33
```

STDIN

Input f

Output:

A

HelloWorld.asm

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```
1 section .data
2 char db 0
3 newline db 10
4 section .text
5 global _start
6 _start:
7
8 mov al, 3
9 shl al, 4
10 shr al, 0
11 rol al, 0
12 ror al, 8
13
14
15 mov [char], al
16
17
18 mov eax, 4
19 mov ebx, 1
20 mov ecx, char
21 mov edx, 1
22 int 0x80
23
24 mov eax, 4
25 mov ebx, 1
26 mov ecx, newline
27 mov edx, 1
28 int 0x80
29
30 mov eax, 1
31 xor ebx, ebx
32 int 0x80
33
```

STDIN

Input

Output:

0

```
1 section .data
2 char db 0
3 newline db 10
4 section .text
5 global _start
6 _start:
7
8 mov al, 127
9 shr al, 1
10 ror al, 1
11 shl al, 1
12 rol al, 1
13 sub al, 21
14
15 mov [char], al
16
17 mov eax, 4
18 mov ebx, 1
19 mov ecx, char
20 mov edx, 1
21 int 0x80
22
23 mov eax, 4
24 mov ebx, 1
25 mov ecx, newline
26 mov edx, 1
27 int 0x80
28
29 mov eax, 1
30 xor ebx, ebx
31 int 0x80
```

HelloWorld.asm

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AI

NEW

ASSEMBLY ▾

RUN ▶

```
1 section .data
2 char db 0
3 newline db 10
4 section .text
5 global _start
6 _start:
7
8 mov al, 1
9 shl al, 6
10 shr al, 0
11 ror al, 3
12 rol al, 3
13 sub al, 3
14
15 mov [char], al
16
17 mov eax, 4
18 mov ebx, 1
19 mov ecx, char
20 mov edx, 1
21 int 0x80
22
23 mov eax, 4
24 mov ebx, 1
25 mov ecx, newline
26 mov edx, 1
27 int 0x80
28
29 mov eax, 1
30 xor ebx, ebx
31 int 0x80
```

STDIN

Input for the program (Opti

Output:

=