

Steps to Run the Assembly Program

Start

Begin the process of creating and executing an Assembly program.

Write Assembly Code

Write your .asm file using correct NASM (Netwide Assembler) syntax. In this case, the code prints: I came,

I saw,

I conquered.

Make sure the file is saved with a .asm extension (e.g., first.asm).

Assemble the Code

Use NASM to assemble the code into an object file.

Command: `nasm -f elf first.asm -o first.o`

This translates the Assembly code into machine-readable object format.

Link the Object File

Link the object file using the linker (ld) to create an executable.

This produces the final runnable file.

Run the Program

Execute the compiled program.

Command: `./first`

Check Output

Check the terminal to see if the output matches what's expected:

I came,

I saw,

I conquered.

Start

The process is complete once the correct output is displayed.