

```
%macro write 2
mov rax,1
mov rdi,1
mov rsi,%1
mov rdx,%2
syscall
%endmacro
```

```
section .data
msg1 db 10,'The largest number is : '
msg1_len equ $-msg1
arr db 19h,70h,44h,1Ah,51h
```

```
section .bss
result resb 2
```

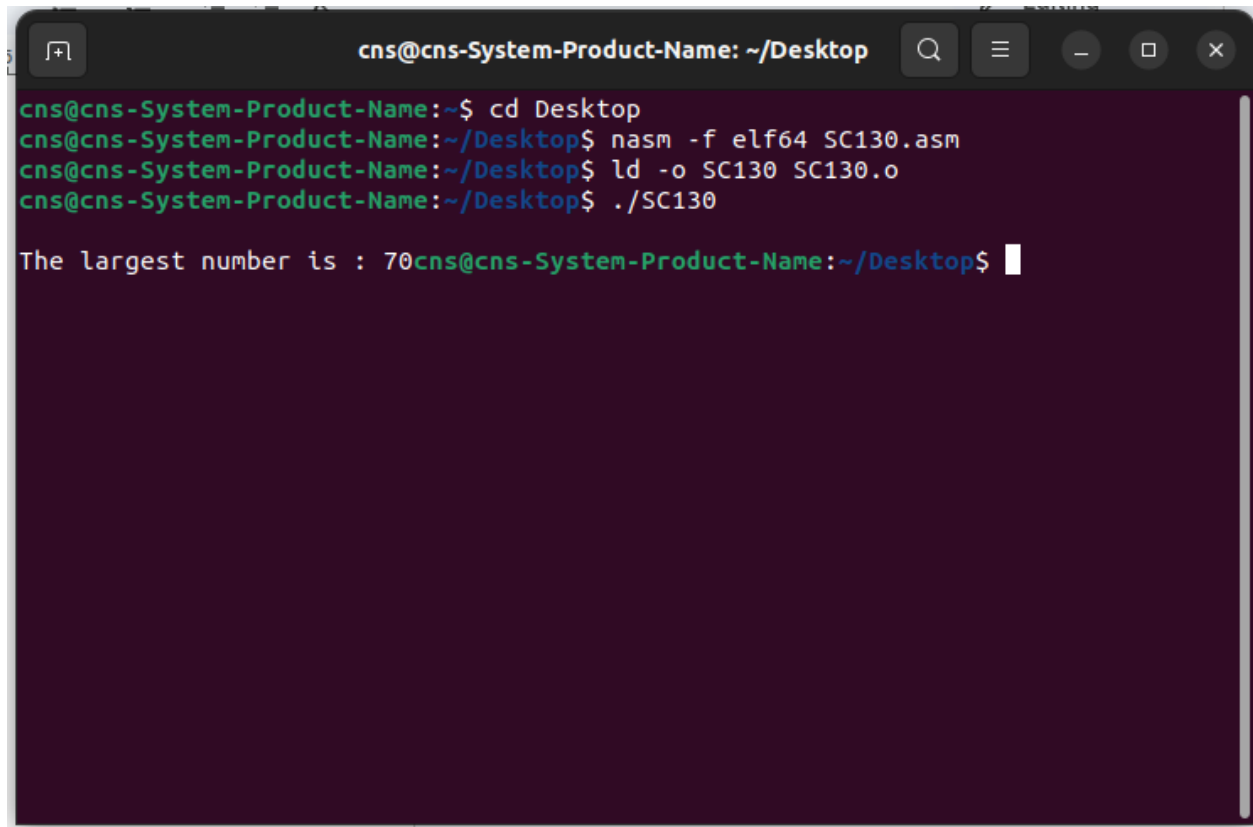
```
section .text
global _start
_start:
write msg1,msg1_len
```

```
mov al,0h
mov esi,arr
mov cx,05h
l1: cmp al,[esi]
jg l2
mov al,[esi]
l2:inc esi
dec cx
jnz l1
call disp
```

```
mov rax,60
mov rdi,0
syscall
```

```
disp:
mov cx,02h
mov bl,al
mov rdi,result
l3:rol bl,04
mov al,bl
and al,0Fh
cmp al,09h
```

```
    jg l1
    add al,30h
    jmp skip
l4: add al,37h
    skip: mov [rdi],al
    inc rdi
    dec cx
    jnz l3
    write result,02
    ret
```

A terminal window with a dark background and light-colored text. The window title is 'cns@cns-System-Product-Name: ~/Desktop'. The terminal shows the following commands and output:

```
cns@cns-System-Product-Name:~$ cd Desktop
cns@cns-System-Product-Name:~/Desktop$ nasm -f elf64 SC130.asm
cns@cns-System-Product-Name:~/Desktop$ ld -o SC130 SC130.o
cns@cns-System-Product-Name:~/Desktop$ ./SC130

The largest number is : 70cns@cns-System-Product-Name:~/Desktop$
```