```asm
;jg is
section .data
;declaration of cnt variable + initialization
msg db"The LARGEST number is: "
len1 equ $-msg

cnt db 00
array db 01h,05h,03h,04h,02h



section .bss
;reservation of no variable + no initialization
max resb 2



section .text
;_start label
global _start
_start:
;instruction for allocating a register to no and declaring size of cnt as byte with 5
numbers
mov rsi,array
mov byte[cnt],05

xor al,al

_ll1:
cmp al,byte[rsi]
ja _ll2
mov al,byte[rsi]
_ll2:
inc rsi
DEC byte[cnt]
jnz _ll1

mov rsi,max
mov cl,2
_ll3:
rol al,4
mov bl,al
and bl,0Fh
cmp bl,09h
jle _ll4
add bl,07h

_ll4:
add bl,30h
mov byte[rsi],bl

inc rsi
dec cl
jnz _ll3
```

```
mov rax,01
mov rdi,01
mov rsi,msg
mov rdx,len1
syscall


mov rax,01
mov rdi,01
mov rsi,max
mov rdx,16
syscall

mov rax,60
mov rdi,00
syscall
```