```nasm
section .data
msg: db "Enter a word: ",0xA
l1: equ $-msg
msgg: db "The length of the word is: "
l2: equ $-msgg



section .bss
msggg: resb 16
len: resb 16
num: resb 2

section .text


global _start
_start:
mov rax,01
mov rdi,01
mov rsi,msg
mov rdx,l1
syscall

mov rax,00
mov rdi,00
mov rsi,msggg
mov rdx,len
syscall

DEC al
mov rsi,num
mov cl,2h
_ll:
rol al,4
mov bl,al
and bl,0Fh
cmp bl,09h
jle _ll1
add bl,07h
_ll1:

ADD bl,30H
mov byte[rsi],bl
inc rsi
dec cl
jnz _ll


mov rax,01
mov rdi,01
mov rsi,msgg
mov rdx,l2
syscall
mov rax,01
```

```
mov rdi,01
mov rsi,num
mov rdx,2
syscall
mov rax,60
mov rdi,00
syscall
```