

section .data

msg1 db "Enter Number:"

msg2 db "Showing Output:", 0xA

section .bss

arr resb 85

cnt resb 01

global _start

section .text

_start:

; -----reading numbers-----

mov byte[cnt], 05 ; read_num Counter

mov rbx, arr

read_num:

mov rax, 01

mov rdi, 01

mov rsi, msg1

mov rdx, 13

syscall

mov rax, 00

mov rdi, 01

mov rsi, rbx

mov rdx, 17

syscall

```
add rbx, 17
dec byte[cnt]
jnz read_num
```

```
; -----writing numbers-----
```

```
mov rax, 01
mov rdi, 01
mov rsi, msg2
mov rdx, 16
syscall
```

```
mov byte[cnt], 05      ; write_num Counter
mov rbx, arr
```

```
write_num:
```

```
mov rax, 01
mov rdi, 00
mov rsi, rbx
mov rdx, 17
syscall
```

```
add rbx, 17
dec byte[cnt]
jnz write_num
```

```
; -----Exit The Program-----
```

```
mov rax, 60
```

```
mov rdi, 00
```

```
syscall
```