

```

1  section .data
2  msg1 db 10,13,"Enter 5 64 bit numbers"
3  len1 equ $-msg1
4  msg2 db 10,13,"Entered 5 64 bit numbers"
5  len2 equ $-msg2
6
7  section .bss
8  array resd 200
9  counter resb 1
10
11 section .text
12 global _start
13 _start:
14
15 ;display
16 mov Rax, 1
17 mov Rdi, 1
18 mov Rsi, msg1
19 mov Rdx, len1
20 syscall
21
22 mov byte[counter], 05
23 mov rbx, 00
24
25 loop1:
26 mov rax, 0          ; 0 for read
27 mov rdi, 0          ; 0 for keyboard
28 mov rsi, array      ; move pointer to start of array
29 add rsi, rbx
30 mov rdx, 17
31 syscall
32 add rbx, 17          ; to move
33 dec byte[counter]
34 JNZ loop1
35
36 ;display
37 mov Rax, 1
38 mov Rdi, 1
39 mov Rsi, msg2
40 mov Rdx, len2
41 syscall
42
43 mov byte[counter], 05
44 mov rbx, 00
45
46 loop2:
47 mov rax, 1          ; 1 for write
48 mov rdi, 1          ; 1 for monitor
49 mov rsi, array

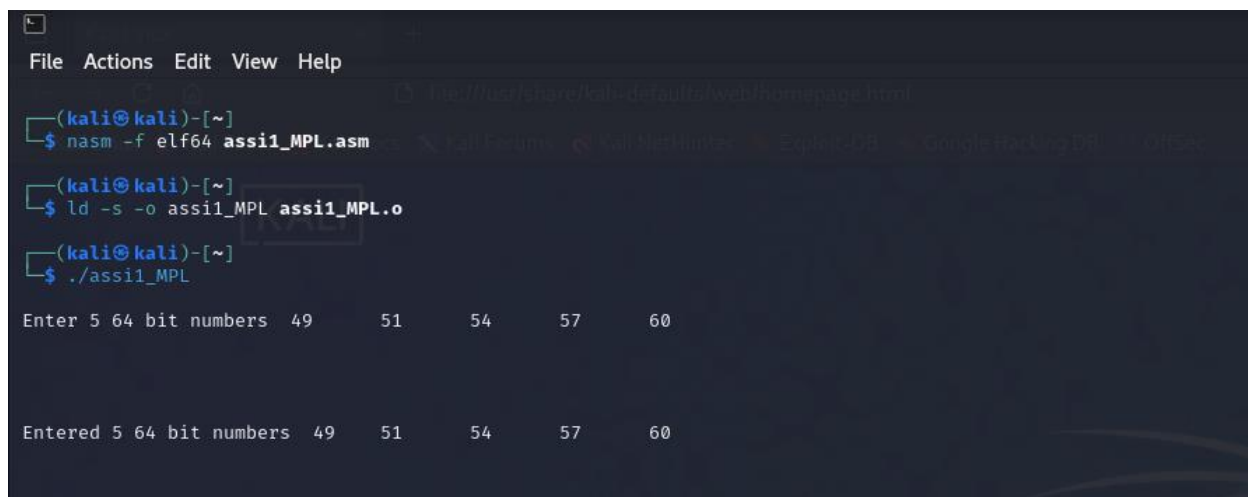
```

```

50 add rsi, rbx
51 mov rdx, 17      ; 16-bit +1 for enter
52 syscall
53 add rbx, 17
54 dec byte[counter]
55 JNZ loop2
56
57 ;exit
58 mov rax, 60
59 mov rdi, 0
60 syscall

```

Output :



```

File Actions Edit View Help
(kali@kali)-[~]
$ nasm -f elf64 assii1_MPL.asm
(kali@kali)-[~]
$ ld -s -o assii1_MPL assii1_MPL.o
(kali@kali)-[~]
$ ./assii1_MPL

Enter 5 64 bit numbers 49      51      54      57      60

Entered 5 64 bit numbers 49      51      54      57      60

```