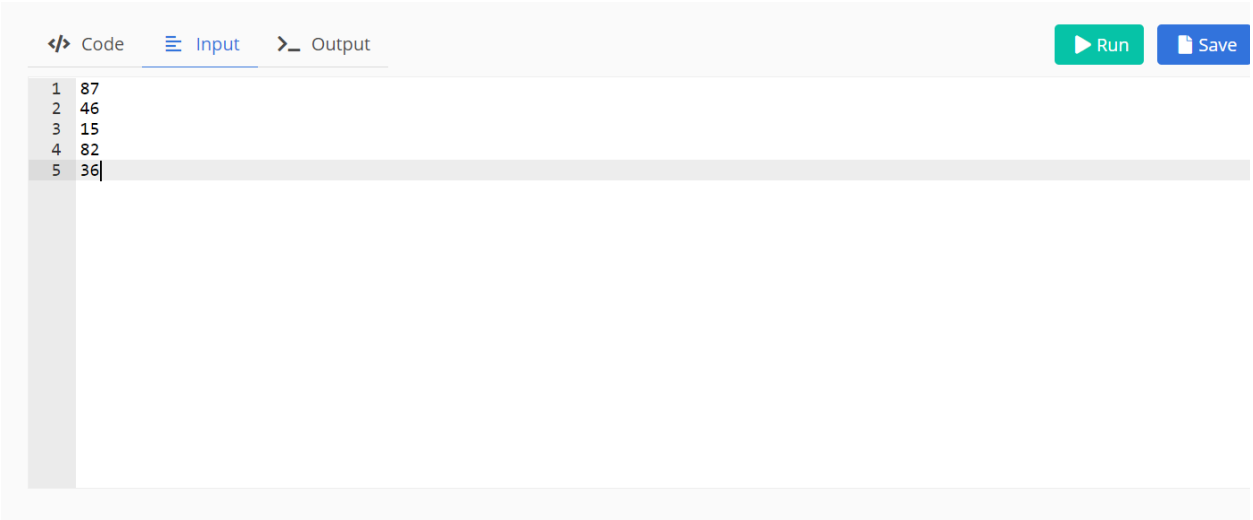
Code:-

```
global _start                                   ;header file

section .data
msg db "input 64bit number:"                    ;Taking input from user
msg_len equ $-msg
msg1 db "array content is:"
msg1_len equ $-msg1
count db 5

section .bss
array1 resq 6h

section .text
_start:


mov rax,1
mov rdi,1
mov rsi,msg
mov rdx,msg_len
syscall

mov rsi,array1
up:
mov rax,0
mov rdi,0
mov rsi,rsi
mov rdx,11h
syscall

add rsi,11h
dec byte[count]
jnz up


mov rax,1
mov rdi,1
mov rsi,msg1
mov rdx,msg1_len
```

```
syscall

mov byte[count],5
mov rsi,array1
up1:

mov rax,1
mov rdi,1
mov rsi,rsi
mov rdx,11h
syscall

add rsi,10h
dec byte[count]
jnz up1


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

Output:-



```
input 64bit number:array content is:87
46
15
82
36
[Program exited with exit code 0]
```

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MP Assignments