**Practical No. 01**

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**Div :** A

**Batch :** A-2

**Problem Statement :** Write an assembly language program to except 5 number from an user store in an array, display the entered number.

**Code :**

%macro disp 2

Mov rax,1

Mov rdi,1

Mov rsi,%1

Mov rdx,%2

syscall

%endmacro

section .bss

arr resb 100

section .data

msg1 db "Enter 5 numbers : ",10

len1 equ $ -msg1

msg2 db "Entered numbers are : ",10

len2 equ $ -msg2

count db 05

section .text

global \_start:

\_start:

Mov rbx,00

disp msg1,len1

up:Mov rax,0

Mov rdi,0

Mov rsi,arr

add rsi,rbx

Mov rdx,17

syscall

add rbx,17

syscall

dec byte[count]

JNZ up

Mov byte [count],05

Mov rbx,00

disp msg2,len2

up1:Mov rax,1

Mov rdi,1

Mov rsi,arr

add rsi,rbx

Mov rdx,17

syscall

add rbx,17

dec byte[count]

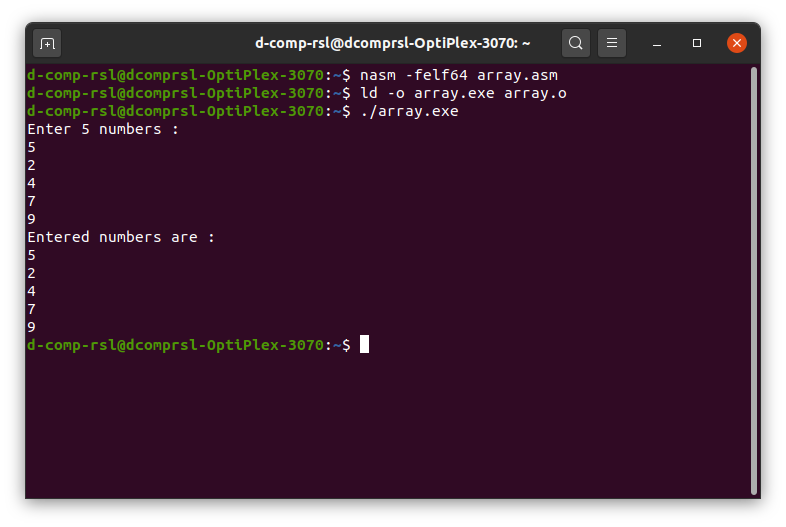
JNZ up1

Mov rax,60

Mov rdi,0

syscall

**Output :**

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