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**Roll no: 205C058**

**Batch: D**

**Assignment :2**

**Title: Write ALP to accept number in array from user and display**

section .data

msg1 db 10, 13, "Enter 5 64 bit numbers: " len1 equ $-msg1 msg2 db 10,13,"Entered 5 64 bit numbers: " len2 equ $-msg2

section .bss array resd 200 counter resb 1

section .text global \_start \_start:

mov Rax, 1

mov Rdi, 1

mov Rsi, msg1 mov Rdx, len1

syscall

mov byte[counter], 05 mov rbx,00 loop1: mov rax, 0

mov rdi, 0

mov rsi, array add rsi, rbx mov rdx, 17 syscall add rbx, 17 dec byte[counter] JNZ loop1

mov Rax, 1

mov Rdi, 1

mov Rsi, msg2 mov Rdx, len2

syscall mov byte[counter], 05 mov rbx,00 loop2: mov rax, 1 mov rdi, 1

mov rsi, array add rsi, rbx mov rdx, 17 syscall add rbx, 17 dec byte[counter] JNZ loop2 mov rax, 60 mov rdi, 0 syscall

**OUTPUT:**

