Name : Gaurav Patil

Assignment no.1

section .data

msg1 db "Accept five 64 bit Number ",10

len1 equ $-msg1

msg2 db "Display five 64 bit number",10

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 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,00

syscall

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