------------------------------------------------------------------

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Std: SE Div: A

Roll no.:32

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**PROGRAM:**

section .data

msg db "Number of argument:"

msglen :equ $-msg

msg1 db 10, " Arguments: "

msg1len :equ $-msg1

msg2 db " ",10

msg2len :equ $-msg2

section .bss

arguno resd 1

arg resd 1

%macro cmn 4

mov eax,%1

mov ebx,%2

mov ecx,%3

mov edx,%4

int 80h

%endmacro

section .text

global \_start

\_start:

cmn 4,1,msg,msglen

pop ecx

mov [arguno],ecx

cmp ecx,09h

jbe skip

add ecx,07h

skip:

add ecx,30h

mov [arg],ecx

cmn 4,1,arg,1

cmn 4,1,msg1,msg1len

cont:

pop ecx

mov edx,0

cont2:

cmp byte[ecx+edx],0

je label

inc edx

jmp cont2

label:

cmn 4,1,ecx,edx

dec byte[arguno]

jnz cont

cmn 4,1,msg2,msg2len

exit:

mov eax,1

mov ebx,0

int 80h

**OUTPUT :**

[student@localhost ~]$ nasm -f elf32 command.asm -o command.o -i i386

[student@localhost ~]$ ld -m elf\_i386 -o command command.o

[student@localhost ~]$ ./command nasm -f elf64 command.asm -o command.o

Number of argument:7

Arguments: ./command nasm -f elf64 command.asm -o command.o

[student@localhost ~]$