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**PROGRAM:**

section .data

filename db "hello.asm",0

msg db "File is read succesfully",10

msglen:equ $-msg

msg1 db "File does not exist",10

msg1len:equ $-msg

msg2 db "File contents are ",10

msg2len:equ $-msg

section .bss

file\_descriptor resd 1

buffer resd 1

bufferlen:equ $-buffer

counter resd 1

%macro file 4

mov eax,%1

mov ebx,%2

mov ecx,%3

mov edx,%4

int 80h

%endmacro

section .text

global \_start

\_start:

file 5,filename,0,0777

mov [file\_descriptor],eax

bt eax,31

jnc cont

file 4,1,msg1,msg1len

jmp exit

file 4,1,msg,msglen

file 4,1,msg2,msg2len

cont:

file 3,[file\_descriptor],buffer,bufferlen

mov [counter],eax

cmp eax,0

je cont1

file 4,1,buffer,[counter]

jmp cont

cont1:

mov eax,6

mov ebx,[file\_descriptor]

int 80h

exit:

mov eax,1

mov ebx,0

int 80h

**OUTPUT :**

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

[student@localhost ~]$ ld -o fileread fileread.o

[student@localhost ~]$ ./fileread

section .data

msg db 10,"Hello World",10

msglen:equ $-msg

section .text

global \_start

\_start:

mov eax,4

mov ebx,1

mov ecx,msg

mov edx,msglen

int 80h

mov eax,1

mov ebx,0

int 80h

[student@localhost ~]$