section .text

extern \_MessageBoxA@16

%if \_\_NASM\_VERSION\_ID\_\_ >= 0x02030000

safeseh handler ; register handler as "safe handler"

%endif

handler:

push dword 1 ; MB\_OKCANCEL

push dword caption

push dword text

push dword 0

call \_MessageBoxA@16

sub eax,1 ; incidentally suits as return value

; for exception handler

ret

global \_main

\_main: push dword handler

push dword [fs:0]

mov dword [fs:0], esp

xor eax,eax

mov eax, dword[eax] ; cause exception

pop dword [fs:0] ; disengage exception handler

add esp, 4

ret

avx2: vzeroupper

push rbx

mov rbx, rsp

sub rsp, 0h20

vmovdqa ymm0, [rcx]

vpaddb ymm0, [rdx]

leave

ret

text: db 'OK to rethrow, CANCEL to generate core dump',0

caption:db 'SEGV',0

section .drectve info

db '/defaultlib:user32.lib /defaultlib:msvcrt.lib '