MoveFPos macro F\_Handle, FPos

mov ax, 4200h

mov bx, F\_Handle

xor cx, cx

mov dx, FPos

int 21h

endm

include io.inc

seg000 segment byte public 'CODE'

assume cs:seg000

org 100h

assume es:nothing, ss:nothing, ds:seg000

public start

start proc near

PutStr TitleStr

mov ah, 1Ah

mov dx, offset DTA

mov cx, 27h

int 21h

mov ah, 4Eh

mov dx, offset a\_MaskForVir

int 21h

BegScan:

push ds

pop es

mov si,FN\_Ofs

mov di, offset FName

mov cx, 13

rep movsb

mov ah, 43h

mov al, 0

mov dx, offset FName

int 21h

mov ah, 43h

mov al, 1

mov dx, offset FName

mov cl, 0

int 21h

mov ax, 3D10h

mov dx, offset FName

int 21h

mov FHandle, ax

mov ah, 40h

mov cl, 44h

nop

nop

call InfoAboutFile

call ReadSignature

cmp SignatureFound, 0

je NextFile

call KillExecutable

call RemoveExecutable

NextFile:

call CureInfo

mov ah, 4Fh

int 21h

jnb BegScan

int 20h

start endp

a\_MaskForVir    db  '\*.\*', 0

DTA db 43 dup (0)

FN\_Ofs  equ offset DTA+1Eh

FName   db 128 dup(0)

IName db 128 dup(0)

SignatureFound db 0

SignatureArray db 14 dup(0)

VirSignature    db 0CDh, 21h, 0B4h, 43h, 0B0h, 01h, 0BAh

                 db 9Eh, 00h, 0B1h, 0h, 0CDh, 21h, 0B8h

Int20cmd    db 0CDh, 20h

FHandle dw 0

TitleStr    db '+---------------------------+', 13, 10

             db 'AntiDHog - antivirus example!', 13, 10

            db '+---------------------------+', 13, 10, '$'

NormStr db ' - Ok', 13, 10, '$'

CureStr db ' - has been deleted!', 13, 10, '$'

ReadSignature proc near

vmov SignatureFound, 0

MoveFPos FHandle 0Eh

mov ah, 3Fh

mov bx, FHandle

mov cx, 14

mov dx, offset SignatureArray

int 21h

cld

push ds

pop es

mov si, offset VirSignature

mov di, offset SignatureArray

mov cx, 14

repe cmpsb

jnz Finish

mov SignatureFound, 1

Finish: ret

ReadSignature endp

KillExecutable proc near

MoveFPos FHandle 0

mov ah,40h

mov bx, FHandle

mov cx, 2

mov dx, offset Int20Cmd

int 21h

mov ah, 3Eh

mov bx, FHandle

int 21h

ret

FillExecutable endp

RemoveExecutable proc near

mov ah,41h

mov dx, offset FName

int 21h

ret

FillExecutable endp

InfoAboutFile proc near

push ds

pop es

mov si, offset FName

mov di, offset IName

NextChar: lodsb

stosb

cmp al, 0

jne NextChar

dec di

mov byte ptr [di], '$'

PutStr IName

ret

InfoAboutFile endp

CureInfo proc near

mov ah, 9

mov dx, offset NormStr

cmp SignatureFound, 0

je ContMsg

mov dx, offset CureStr

ContMsg: int 21h

ret

CureInfo endp

seg000 ends

end start