.model small

.data

cr equ 10h

lf equ 15h

msg1 db 100 dup('$')

msg2 db 100 dup('$')

msg3 db 10,13,"reverse string is $"

.code

mov ax,@data

mov ds,ax

mov si,offset msg1

mov di,offset msg2

mov cl,00h

up:

mov ah,01h

int 21h

cmp al,0dh

jz stp

mov [si],al

inc si

jmp up

stp:

dec si

op:

mov al,[si]

mov [di],al

inc di

dec si

cmp si,-1

jne op

mov ah,09h

mov dx,offset msg1

int 21h

mov ah,09h

mov dx,offset msg3

int 21h

mov ah,09h

mov dx,offset msg2

int 21h

mov ax,4c00h

int 21h

end