Sorting

```
org 100h
.DATA
    input db 10 dup(0)
    prompt db 10,13,'Enter the numbers please: $'
    answer db 10,13,'The numbers in sorted order: $'

.CODE
    MAIN PROC
        mov ax, @DATA
        mov ds, ax
        xor ax, ax

        mov ah, 09h
        lea dx, prompt
        int 21h

        mov ah, 01h
        mov cx, 10
        mov si, OFFSET input

        inploop:
            int 21h
            mov [si], al
            inc si
        Loop inpLoop

        Call Sort

        mov ah, 09h
        lea dx, answer
        int 21h

        mov cx, 10
        mov si, OFFSET input
        mov ah, 02h

        outloop:
            mov dx, [si]
            int 21h
            inc si
        Loop outLoop

        mov ah, 4ch
        mov ah, 00h
        int 21h
    MAIN ENDP

    Sort PROC
        mov cx, 10
        dec cx

        outerloop:
            mov bx, cx
            mov si,0

            compLoop:
                mov al, input[si]
```

```asm
        mov dl, input[si+1]
        cmp al,dl

        jc noSwap

        mov input[si], dl
        mov input[si+1], al

        noSwap:
          inc si
          dec bx
        jnz comploop
    Loop outerLoop
    ret
Sort ENDP
```