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**TASK 1:**

.model small

.stack 100h

.data

arr db 49,50,51,52,53

.code

main proc

mov ax,@data

mov ds,ax

mov si,offset arr

mov cx,5

loopx:

mov dl,[si]

mov ah,2

int 21h

mov dx,33

mov ah,2

int 21h

inc si

loop loopx

mov ah,4ch

int 21h

main endp

end main

**TASK 2:**

.model small

.stack 100h

.data

arr DB 49, 50, 51, 52

maxVal DB 0

.code

main proc

mov ax, @data

mov ds, ax

mov si, offset arr

mov cx, 4

mov al, [si]

mov maxVal, al

max:

inc si

mov al, [si]

cmp al, maxVal

jle next

mov maxVal, al

next:

loop max

mov dl, maxVal

mov ah, 2

int 21h

mov ah, 4Ch

int 21h

main endp

end main

**TASK 3:**

.model small

.stack 100h

.data

arr DB 49, 50, 51, 52

minVal DB 0

.code

main proc

mov ax, @data

mov ds, ax

mov si, offset arr

mov cx, 4

mov al, [si]

mov min, al

min:

inc si

mov al, [si]

cmp al, minVal

jge next

mov minVal, al

next:

loop find\_min

mov dl, minVal

mov ah, 2

int 21h

mov ah, 4Ch

int 21h

main endp

end main

**TASK 4:**

.model small

.stack 100h

.data

arr db 49,50,51,52,53

.code

main proc

mov ax,@data

mov ds,ax

mov si,offset arr+4

mov cx,5

loopx:

mov dl,[si]

mov ah,2

int 21h

mov dx,33

mov ah,2

int 21h

dec si

loop loopx

mov ah,4ch

int 21h

main endp

end main