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Course:	Processor Organization and Architecture (POA)
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**AIM:** Assembly program to find minimum/ maximum no. from a given array.

**CODE:**

```
data segment
    arr db 5,3,7,1,9,2,6,8,4
    len dw $-arr min
    db ?
    max db ?
data ends
code segment
    assume ds:data cs:code
    start:
        mov ax,data mov
        ds,ax
        lea si,arr
        mov al,arr[si]
        mov min,al
        mov max,al
        mov cx,len
        repeat:
            mov al,arr[si]
            cmp min,al
            jl checkmax
            mov min,al
            checkmax:
                cmp max,al
                jg done
                mov max,al
            done:
                inc si
                loop repeat
            mov ah,4ch
            int 21h
        code ends
    end start
```



**Academic Year: 2022-2023**

**OUTPUT:**

[illegible]