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| Course: | Processor Organization and Architecture (POA) |
| Course Code: | DJ19CEL502 |
| Experiment  No.: | 08 |

**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

**OUTPUT**:

