

Q3. Write a program to find the largest and smallest numbers of an array having 10 numbers. Display the found numbers in the cleared screen. [2073 Bhadra]

```
.model small
.stack
.data
arr db 12, 15, 10, 18, 24, 08, 19, 20, 11, 14
max db ?
min db ?

.code
main proc far
mov ax, @data
mov ds, ax

lea si, arr
mov cx, 9

mov al, arr[si]

mov max, al
mov min, al
inc si

again: mov al, arr[si]
      cmp al, max
      jl skip1
      mov max, al
      skip1: cmp al, min
      jg skip
      mov min, al
      skip: inc si
      loop again

mov ah, 0

mov al, max
call print_num

mov ah, 0

mov al, min
call print_num

mov ah, 4ch
int 21h
main endp
```