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**Class Roll No: 66**

**Seat No: B20103066**

**Subject: Assembly Language**

**Submitted To: Ma’am Farheen Faisal**

; Program to print an array using loop

.model small

.stack 100h

.data

array db 'a','b','c'

.code

Main Proc

Mov ax, @data

Mov ds, ax

Mov si, offset array

Mov cx, 3

Loop1:

Mov dx, [si]

Mov ah, 2

inc si

INT 21h

Loop Loop1

Mov ah, 4ch

INT 21h

Main endp

End Main

; String, Program to input a string

.model small

.stack 100h

.data

var1 db 100 dup('$')

.code

Main Proc

Mov ax, @data

Mov ds, ax

Mov si, offset var1

Loop1:

Mov ah, 1

INT 21h

cmp al, 13

je programend

Mov [si], al

inc si

jmp Loop1

programend:

Mov dx, offset var1

Mov ah, 9

INT 21h

Mov ah, 4ch

INT 21h

Main endp

End Main