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**BCS211037**

**Section 1**

**Quiz 8**

.model small

.data

arr db ?

str db 0ah,0dh,"Enter the 10 values in the array $",0ah,0dh

string db 0ah,0dh,"Enter the number for search $",0ah,0dh

str1 db 0ah,0dh,"index number is $",0ah,0dh

str2 db 0ah,0dh,"number not found $",0ah,0dh

.stack 10h

.code

mov ax,@data

mov ds,ax

mov cl,10

mov si,0

lea dx,str

mov ah,09

int 21h

l1:

mov ah,01

int 21h

mov [arr+si],al

inc si

loop l1

MOV cl,10

mov si,0

lea dx,string

mov ah,09

int 21h

mov ah,01

int 21h

mov bl,al

l2:

cmp bl,[arr+si]

jne no

je found

found:

lea dx,str1

mov ah,09

int 21h

mov dx,si

add dx,48

mov ah,02

int 21h

jmp yes

no:

lea dx,str2

mov ah,09

int 21h

yes:

inc si

loop l2

