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**BCS211037**

**Quiz 10**

.model small

.data

str db "string in reverse::: $"

str1 db 0ah,0dh,"Enter string :::$"

str3 db "is a palindrome::: $"

str4 db 0ah,0dh,"is not a palindrome :::$"

newline db 0ah,0dh,"$"

num dw ?

.stack 10h

.code

mov ax,@data

mov ds,ax

lea dx,str1

mov ah,09

int 21h

mov cl,5

mov si,0

l1:

mov ah,01

int 21h

push ax

mov [num+si],ax

inc si

inc si

loop l1

mov cl,1

mov si,0

l2:

cmp ax,[num+si]

jne n\_eq

pop ax

inc si

inc si

lea dx,str3

mov ah,09

int 21h

jmp e

n\_eq:

lea dx,str4

mov ah,09

int 21h

e:

loop l2



