

Experiment No. 7

Program:

```
org 100h

.DATA

M1 DB 10,13, "ENTER THE STRING: $"
M2 DB 10,13, "THE STRING IS A PALINDROME. $"
M3 DB 10,13, "THE STRING IS NOT A PALINDROME. $"
BUFF DB 80h

.CODE

mov ah,09H

lea dx,M1

int 21h

mov ah,0Ah

lea dx,BUFF

int 21h

mov CH,00h

mov cl,BUFF+1

lea bx,BUFF+2

mov di,cx

dec di

sar cl,1

mov si,00h

back:mov al,[bx+di]

mov ah,[bx+si]

cmp al,ah

jnz last

dec di
```

```
inc si  
dec cl  
jnz back  
mov ah,09h  
lea dx,M2  
int 21h  
jmp l2
```

```
last:mov ah,09h  
lea dx,m3  
int 21h  
jmp l2  
l2:ret
```

Output:



