**EXPERIMENT N0-3**

**Aim:**Write an ALP to reverse a string.

CODE:

data segment

msg1 db 0dh, 0ah , "Enter the string:$"

msg2 db 0dh, 0ah , "Reverse string is $"

data ends

code segment

assume cs:code, ds:data

start:

mov ax,data

mov ds,ax

mov di,4000h

mov dx,offset msg1

mov ah,09h

int 21h

mov cl,00h

L1: mov ah,01h

int 21h

mov [di],al

inc di

inc cl

cmp al,0dh

jnz L1

sub di,02h

dec cl

mov dx,0000h

mov dx, offset msg2

mov ah,09h

int 21h

L2: mov dl, [di]

mov ah,02h

int 21h

dec di

dec cl

jnz L2

mov ah,4ch

int 21h

code ends

end start

OUTPUT:

