**LAB 05**

**Write a program to take string input and print as in reverse string.**

dosseg

.model small

.stack 100h

.data

str1 db 10 dup('$')

str2 db 10 dup('$')

.code

main proc

mov ax,@data

mov ds,ax

mov bl,0

mov si,offset str1

mov di,offset str2

l1: mov ah,1

int 21h

mov[si],al

inc si

inc bl

cmp al,'.'

jne l1

dec si

mov cl,bl

mov ax,0

l2: mov al,[si]

mov [di],al

inc di

dec si

loop l2

mov ah,9

mov dx,offset str2

int 21h

mov ah,4ch

int 21h

main endp

end main

**Write a program to convert capital letter to small letter or vice versa:**

dosseg

.model small

.stack 100h

.data

str1 db "Enter An Alphabet: $"

.code

main proc

mov ax,@data

mov ds,ax

mov bx,65

mov cx,26

lea dx,str1

mov ah,9

int 21h

mov ah,1

int 21h

l1: cmp ax,bx

je l2

inc bx

loop l1

l2: add ax,32

int 21h

mov bx,97

mov cx,26

l3:cmp ax,bx

je l4

inc bx

loop l3

l4: sub ax,32

mov ah,2

mov dl,al

int 21h

mov ah,4ch

int 21h

main endp

end main