**Q: Program to print declared string.**

**Source Code:**

.model small

.stack 100h

.data var db "Enter any letter: $"

a db "Ant $";

b db "Bat $"

c db "Cat $";

d db "Dog $"

e db "Elephant $"

f db "Fly $"

input db ?

.code

START:

;data segmant cass

mov ax,@data

mov ds,ax

;print enter letter

mov ah,09

lea dx,var

int 21h

;user input

mov ah,01

int 21h

;save user input in variable

mov input,al

;new line

mov ah,02

mov dl,0ah

int 21h

; compare with a

cmp input,"a"

JE ant

; compare with b

cmp input,"b"

JE bat

; compare with c

cmp input,"c"

JE cat

; campare with d

cmp input,"d"

JE dog

; compare with e

cmp input,"e"

JE ele

; compare with f

cmp input,"f"

JE fly

;jump to end

jmp end1

ant:

mov ah,09

lea dx,a

int 21h

jmp end1

bat:

mov ah,09

lea dx,b

int 21h

jmp end1

cat:

mov ah,09

lea dx,c

int 21h

jmp end1

dog:

mov ah,09

lea dx,d

int 21h

jmp end1

ele:

mov ah,09

lea dx,e

int 21h

jmp end1

fly:

mov ah,09

lea dx,f

int 21h

jmp end1

end1:

mov ah,4ch

int 21h

End Start