**EXPERIMENT N0-2**

AIM: Write a program to verify that the number is even or odd

**CODE:**

data segment

msg1 db 0ah,0dh,"Enter a no: $"

msg2 db 0ah,0dh,"Numbers is even $"

msg3 db 0ah,0dh,"Numbers is odd $"

data ends

code segment

assume cs:code,ds:data

start: mov ax,data

mov ds,ax

mov dx,offset msg1

mov ah,09h

int 21h

s1: mov ah,01h

int 21h

ror al,01h

jnc even1

mov dx,offset msg3

mov ah,09h

int 21h

jmp finish

even1: mov dx,offset msg2

mov ah,09h

int 21h

finish: mov ah,4ch

int 21h

code ends

end start

**OUTPUT:**



