;To check if a number if either odd or even (51H)

section .data

even\_msg db "Even Number",13,10 ;message to show even

len1 equ $-even\_msg

odd\_msg db "Odd Number",13,10

len2 equ $-odd\_msg

section .text

global \_start

\_start:

mov eax,51h ;test case 51h

and eax,1

jz even ;jump if zero condition occurs, jumps to even

mov ecx,odd\_msg

mov edx,len2

mov eax,4

mov ebx,1

int 80h

jmp exit ;unconditional jump instruction to exit

even: mov ecx,even\_msg

mov edx,len1

mov ebx,1

mov eax,4

int 80h

exit: mov eax,1

int 80h

;To check if a number if either odd or even (52H)

section .data

even\_msg db "Even Number",13,10 ;message to show even

len1 equ $-even\_msg

odd\_msg db "Odd Number",13,10

len2 equ $-odd\_msg

section .text

global \_start

\_start:

mov eax,52h ;test case 52h

and eax,1

jz even ;jump if zero condition occurs, jumps to even

mov ecx,odd\_msg

mov edx,len2

mov eax,4

mov ebx,1

int 80h

jmp exit ;unconditional jump instruction to exit

even: mov ecx,even\_msg

mov edx,len1

mov ebx,1

mov eax,4

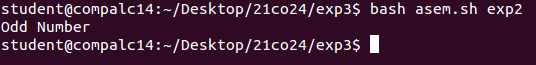
int 80h

exit: mov eax,1

int 80h

OUTPUT:

CASE 1:(51H, ODD NUMBER)



CASE 2:(52H, EVEN NUMBER)

