

Short Quiz - 4

EE-390

Set B

Name: _____

ID No: _____

- 1(a). Write a program that will ask the user to enter a number (0_H to 9_H) and display “EVEN” or “ODD” depending on the number of binary 1’s present in that entered number. Use as many lines as needed.

```
TITLE "Quiz====4"
.MODEL SMALL
.STACK 032H
.DATA
    VAR1 'EVEN','$'
    VAR2 'ODD','$'
.CODE
    MOV AX,@DATA
    MOV DS,AX
```

```
MOV AX,4C00H
INT 21H
END
```

(As an **example** assume if number “6_H” is entered from keyboard, as “6_H = 0110_B”, the program should display “EVEN” in the monitor.)