AIDS MICROPROCESSOR LAB S21 BATCH (2023-24)

Experiment 9 Title: Assembly language programming TO DISPLAY THE CHARACTERS '*' FIVE TIMES AT CURSOR POSITION SET TO ROW 5,COLUMN 15 using INT 10H

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Date of Performance: 18/03/2024

Batch: S2-1   Timing: 3:00-5:00   Date of Submission: 18/03/2024

Assembly language code

```
DATA_SEG SEGMENT
ROW DB 5
COL DB 15
CHAR DB '*'


DATA_SEG ENDS

CODE_SEG SEGMENT
ASSUME CS:CODE_SEG,DS:DATA_SEG
START:
    MOV AX,DATA_SEG  #INITIALISE THE DATA SEGMENT REGISTER
    MOV DS,AX

    MOV BH,0         #SET PAGE TO 0(BH DISPLAY PAGE NUMBER)
    MOV DH,ROW       #SET ROW POSITION
    MOV DL,COL       #SET COLUMN POSITON
    MOV AH,02        #SET CURSOR POSITION
    INT 10H
```
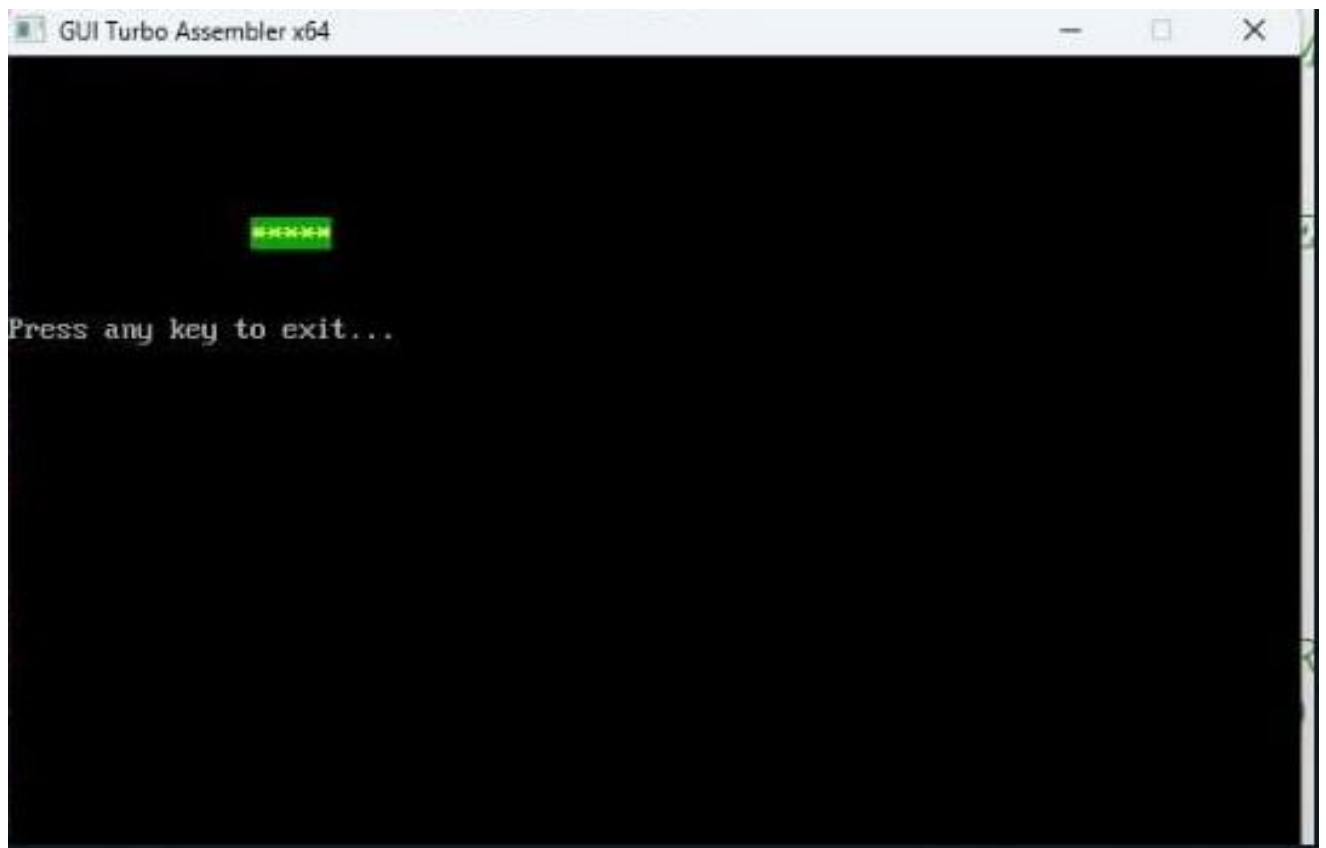
```
    MOV CX,5
    MOV AL,CHAR              #ASCII CODE OF THE CHRACTERS TO BE
.                               DISPLAYED
    MOV BL,2EH                #2=010(GREEN),E=1110(YELLOW)
    MOV BL,0AEH              #BLINKING
    MOV BH,0
    MOV AH,09H              #FUNCTION USED TO DISPLAY STRING OF
.                               CHARACTERS
    INT 10H

    MOV AH,4CH              #REQUEST TO TERMINATE
    INT 21H                  #EXIT TO DOS
CODE_SEG ENDS
END START
```

CONCLUSION: *LO 2, LO 3 mapped.*

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