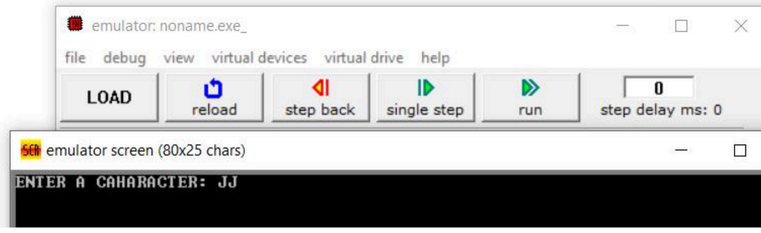
# Class Activity #2

## Program#1 Enter Character

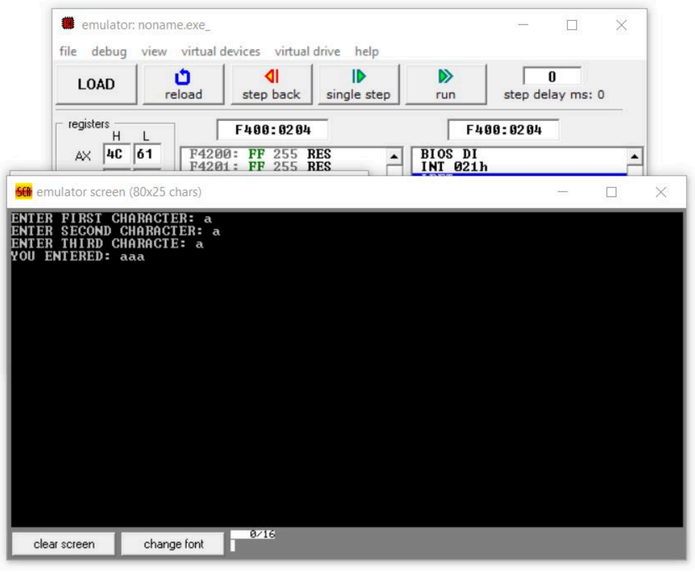
```
.MODEL SMALL
.STACK 100H
.DATA

MSG DB 'ENTER A CAHARACTER: $'

.CODE
MAIN PROC
    MOV AX, @DATA
    MOV DS, AX

    MOV AH, 09H
    LEA DX, MSG
    INT 21H

    MOV AH, 01H
    INT 21H

    MOV DL, AL
    MOV AH, 02H
    INT 21H

    MOV AH, 2CH
    INT 21H

MAIN ENDP
END MAIN
```

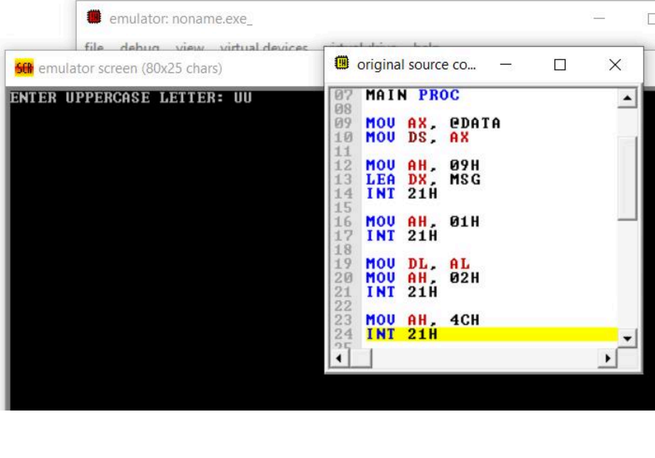






```
.CODE
MAIN PROC
    MOV AX, @DATA
    MOV DS, AX

    ;DISPLAY FIRST MESSAGE
    MOV AH, 09H
    LEA DX, MSG1
    INT 21H

    ;INPUT FIRST CHARACTER
    MOV AH, 01H
    INT 21H
    MOV BL, AL  ;STORE FIRST CHARACTER IN BL

    ;DISPLAY SECOND MESSAGE
    MOV AH, 09H
    LEA DX, MSG2
    INT 21H

    ;INPUT SECOND CHARACTER
    MOV AH, 01H
    INT 21H
    MOV CL, AL  ;STORE SECOND CHARACTER IS CL

    ;DISPLAY THIRD MESSAGE
    MOV AH, 09H
    LEA DX, MSG3
    INT 21H

    ;INPUT THIRD CHARACTER
    MOV AH, 01H
    INT 21H
    MOV DL, AL  ;STORE THIRD CHARACTER IN DL

    ;DIPLAY RESULT MESSAGE
    MOV AH, 09H
    LEA DX, RESULT
    INT 21H

    ;DISPLAY ALL THREE CHARACTERS
    MOV AH, 02H
    MOV DL, CL
    INT 21H

    MOV AH, 02H
    MOV DL, CL
    INT 21H

    MOV AH, 02H
    INT 21H

    MOV AH, 4CH
    INT 21H

MAIN ENDP
END MAIN
```




## Program#2 Upper Case

```
.MODEL SMALL
.STACK 100H
.DATA
MSG DB 'ENTER UPPERCASE LETTER: $'

.CODE
MAIN PROC

    MOV AX, @DATA
    MOV DS, AX

    MOV AH, 09H
    LEA DX, MSG
    INT 21H

    MOV AH, 01H
    INT 21H

    MOV DL, AL
    MOV AH, 02H
    INT 21H

    MOV AH, 4CH
    INT 21H

MAIN ENDP
END MAIN
```