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QUESTION 1:

.MODEL SMALL

.STACK 100H

.DATA

STR1 DB 'STRING1'

STR2 DB 'STRING2'

BUFFER DW 40, 39 DUP(\$)

VAR DB 40

.CODE

MOV AX, @DATA

MOV ES, AX

MOV DS, AX

LEA DI, BUFFER

LEA SI, STR2

LNT = \$ - OFFSET STR2+ 1

MOV BX, 4; NO OF BYTES TO

CONCATINATE STRING 1

AFTER STRING 2

MOV CX, BX

REP MOVSB

LEA SI, STR1

MOV CX, LNT

REP MOVSB

LEA SI, STR2

ADD SI, 4

MOV CX, LNT

ADD CX, 4

REP MOVSB

LEA SI, BUFFER

ADD SI, LNT

ADD SI, LNT

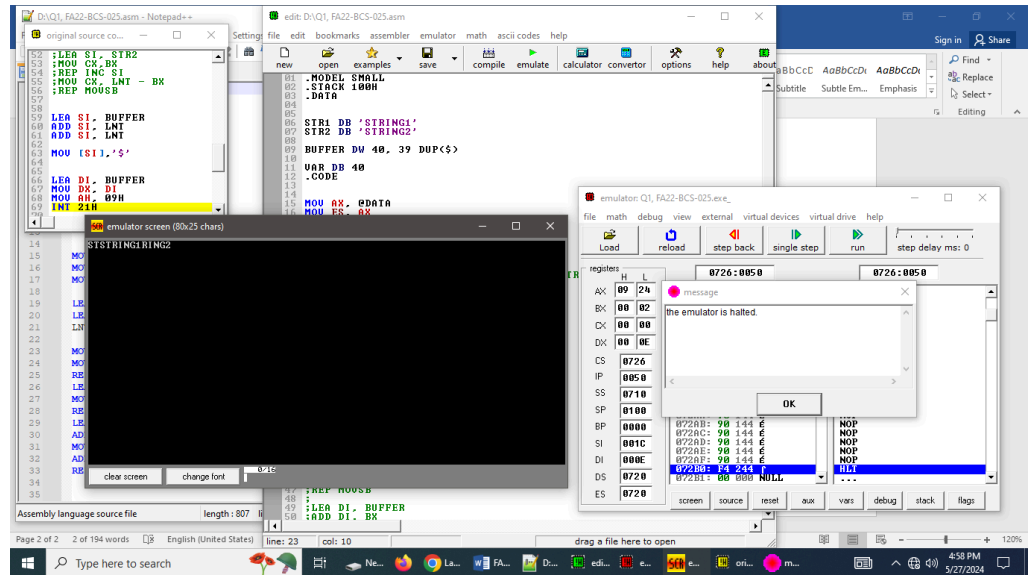
MOV [SI], '\$'

LEA DI, BUFFER

MOV DX, DI

MOV AH, 09H

INT 21H



QUESTION #02

```
.MODEL SMALL
.STACK 100H
.DATA
.CODE
;CODE TO PRINT NEW LINE
PUTC MACRO char
PUSH AX
MOV AL, char
MOV AH, 0Eh
INT 10h
POP AX
ENDM
;LOOP TO PRINT ALL ASCII
CHARECTERS
MOV CX, 255
MOV DX, 0
HERE:
MOV AH, 02
INT 21H
INC DX
; new line:
putc 0Dh
putc 0Ah
LOOP HERE
```

