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COA (I)

LAB TEST

QUESTION 1

.MODEL SMALL

.STACK 100H

DATA SEGMENT

MSG DB "INPUT FIRST CHAR(UPER CASE): \$"

ENDS:

CODE SEGMENT

ASSUME DS:DATA CS:CODE

MAIN PROC

MOV AX,DATA

MOV DS,AX

LEA DX,MSG

MOV AH,9

INT 21H

MOV AH,1

INT 21H

MOV DL,AL

MOV AH,2

INT 21H

MOV AH,4CH

INT 21H

MAIN ENDP

END MAIN



QUESTION 2

DATA SEGMENT

MESSAGE DB "ENTER A CHARATER YOU HAVE ENTERED:Y\$"

ENDS

START:

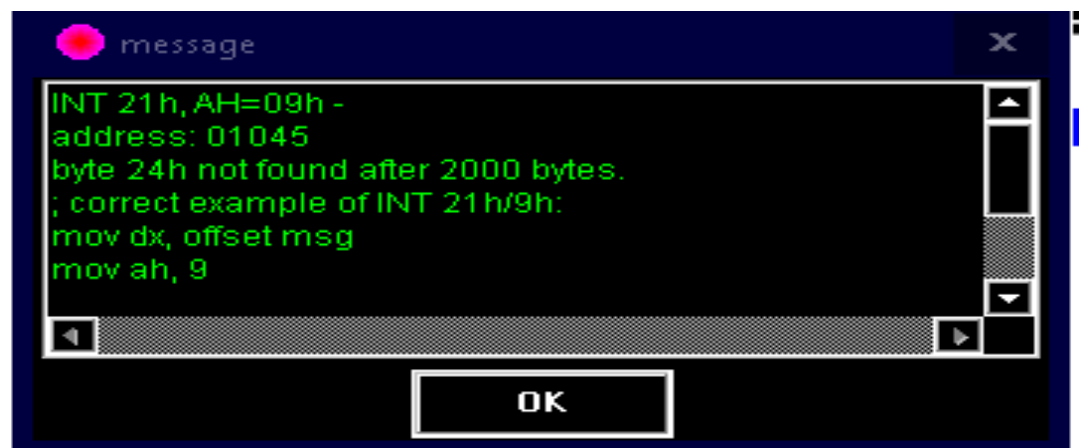
MOV DL, MESSAGE

MOV AH,9

INT 21H

ENDS

ENDS START



QUESTION 3

.MODEL SMALL

.STACK 100H

.DATA

.CODE

START:

MOV AX,3

ADD AX,2

MOV BX,AX

ADD BX,48

MOV DX,BX

MOV AH,2

INT 21H

ENDS

END START

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

```
START:
```

```
MOV AX,3
ADD AX,2
```

```
MOV BX,AX
ADD BX,48
MOV DX,BX
```

```
MOV AH,2
INT 21H
ENDS
END START
```



QUESTION 4

.MODEL SMALL

.STACK 100H

.DATA

.CODE

START:

MOV AL,55

ADD BL,51

MOV CL,54

MOV DL,52

ADD AL,BL

ADD AL,BL

ADD CL,CL

ADD CL,CL

ADD CL,CL

ADD AL,CL

ADD AL,DL

MOV AH,2

INT 21H

ENDS

END START

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

```
START:
MOV AL,55
ADD BL,51
MOV CL,54
MOV DL,52
ADD AL,BL
ADD AL,BL
ADD CL,CL
ADD CL,CL
ADD CL,CL
ADD AL,CL
ADD AL,DL
MOV AH,2
INT 21H
ENDS
END START
```

emul...

3

QUESTION 5

```
INCLUDE 'EMU8086.INC'

.model SMALL

.stack 100h

DATA SEGMENT

MSG DB "HELLO WORLD$"

MSG1 DB "BYE WORLD$"

ENDS:

CODE SEGMENT

ASSUME DS:DATA CS:CODE

MAIN PROC

    MOV AX,DATA

    MOV DS,AX

    MOV CX,50

    MOV BX,60

TOP: CMP BX,CX

    JE LAST

    LEA DX,MSG

    MOV AH,9

    INT 21H

    DEC BX

    JMP TOP

LAST:

    LEA DX,MSG1

    MOV AH,9

    INT 21H

    MOV AH,4CH

    INT 21H

MAIN ENDP

END MAIN
```

