

## LAB 3

- MODEL SMALL

- DATA

MSG1 DB 0DH, 0AH, "ENTER ALPHANUMERIC  
CHARACTER: \$"

RES DB 02H DUP(0)

- CODE

MOV AX, @DATA

MOV DS, AX

LEA DX, MSG

CALL DISP

MOV AH, 01H

INT 21H

MOV BL, AL

MOV CL, 4

SHR AL, CL

CMP AL, 0AH

JC DIGIT

ADD AL, 07H

DIGIT :

```
ADD AL, 30H
MOV RES, AL
AND BL, 0FH
CMP BL, 0AH
JC DIGIT 1
ADD BL, 07H
```

DIGIT 1 :

```
ADD BL, 30H
MOV RES + 1, BL
```

```
MOV AH, 02H
MOV BH, 00H
MOV DH, 0CH
MOV DL, 28H
```

```
MOV RES + 2, '$'
LEA DX, RES
CALL DISP
```

```
MOV AH, 4CH
INT 21H
RET
```

DISP END P

END