

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, MSG1

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 ; 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, 00H  
MOV AL, 03H  
INT 10H
```

```
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
```

```
DISP PROC NEAR
```

```
MOV AH, 09H
```

```
INT 21H
```

```
RET
```

```
DISP END P
```

```
END.
```