

Prog 3. ASM

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• MODEL small

• Data

msg1 DB 0DH, 0AH, "Enter alphanumeric ";
RES DB 02H DUP(0) (character: \$ "

MOV AX, @Data

MOV DS, AX

LEA DX, msg1

CALL DISP

MOV AH, 01H & Read

INT 21H

MOV BL, AL

MOV CL, 4

SHR AL, CL

CMP AL, 0AH

JC DIGIT

ADD AL, 07H

DIGIT:

ADD AL, 3CH

MOV RES, AL

AND BL, 0FH

CMP BL, 0AH

JC DIGIT1

ADD BL, 07H

DIGIT1:

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, 20H

MOV RES+2, '\$'

~~MOV D~~

LEA DX, RES

CALL DISP

MOV AH, 4CH

INT 21H

DISP PROC NEAR

MOV AH, 09H

< INT 21H

RET

DISP ENDP

END