Karthik Doepak
IBM19 CS200

```
.MODEL SMALL
.MODEL .DATA
   MSG   DB    0DH, 0AH, "ENTER THE ALPHANUMERIC CHARECTER: $"
   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, CI
   CMP  AL, 0AH
   JC DIGIT


ADD  AL, 07H

DIGIT:
ADD  AL, 30H
MOV  RES, AL
AND   BL, 0F11
CMP   BL, 0AH
   JC  DIGIT1
   ADD  BL, 07H
```

```asm
DIGIT:
ADD  AL, 30H
MOV  RES, AL
AND  BL, OAH
CMP  BL, OAH
JC   DIGIT1
ADD  BL, 07H


DIGIT1:
ADD  BL, 30H
MOV  RES+1, BL


MOV  AH, 00H
MOV  AL, 03H
INT  10H


INPUT  AL  MOV  AH, 02H
           MOV  BH, 00H
           MOV  DH, OCH
           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 ENDP


END
```