.model small

.data

var db 'A'

.code

mov ax,@data

mov ds,ax

mov bl,var

mov dl,var

mov ah,02h

int 21h

mov dl,10

mov ah,02h

int 21h

mov dl,13

mov ah,02h

int 21h

cmp bl,'9'

jnc down

sub bl,'0'

jmp dow

down:

sub bl,'1'

dow:

mov bh,bl

and bl,0fh

mov cl,04h

rol bh,cl

and bh,0fh

add bh,30h

mov dl,bh

mov ah,02h

int 21h

add bl,30h

mov dl,bl

mov ah,02h

int 21h

mov ah,4ch

int 21h

end