

```

01 .MODEL SMALL
02 .STACK
03 .DATA
04 CR EQU 13
05 LF EQU 10
06 MSG1 DB 'Enter a binary number:$'
07 MSG2 DB CR,LF,'Your input number:$'
08 .CODE
09     mov ax,@DATA
10     mov ds, ax
11     xor bx, bx
12     mov ah, 9
13     lea dx, MSG1
14     int 21h
15     mov ah, 1
16 N2:
17     int 21h
18     cmp al, CR
19     je N8
20     and al, 0Fh ;chuyen ki tu thanh so ('0'=30h, '1'=31h)
21     shl bx, 1
22     or bl, al
23     jmp N2
24 N8:
25     mov cx, 16
26     mov ah, 9
27     lea dx, MSG2
28     int 21h
29     PrintLoop:
30         rol bx,1
31         jc Print1
32         mov dl, '0'
33         mov ah, 2
34         int 21h
35         jmp Exit1
36     Print1:
37         mov dl, '1'
38         mov ah, 2
39         int 21h
40     Exit1:
41         dec cx
42         cmp cx, 0
43         jne PrintLoop
44
45     mov ah, 4Ch
46     int 21h
47
48 END

```