

```

1  org 0x7c00
2
3  BaseOfStack equ 0x7c00
4
5  Label_Start:
6
7      mov ax, cs
8      mov ds, ax
9      mov es, ax
10     mov ss, ax
11     mov sp, BaseOfStack
12
13     ;=====    clear screen
14
15     mov ax, 0600h
16     mov bx, 0700h
17     mov cx, 0
18     mov dx, 0184fh
19     int 10h
20
21     ;=====    set focus
22
23     mov ax, 0200h
24     mov bx, 0000h
25     mov dx, 0000h
26     int 10h
27
28     ;=====    display on screen : Start Booting.....
29
30     mov ax, 1301h
31     mov bx, 000fh
32     mov dx, 0000h
33     mov cx, 10
34     push ax
35     mov ax, ds
36     mov es, ax
37     pop ax
38     mov bp, StartBootMessage
39     int 10h
40
41     ;=====    reset floppy
42
43     xor ah, ah
44     xor dl, dl
45     int 13h
46
47     jmp $
48
49 StartBootMessage:  db "NKU Boot"
50
51     ;=====    fill zero until whole sector
52
53     times 510 - ($ - $$) db 0
54     dw 0xaa55
55
56

```