

```

6
7
8 start:
9
10 ; print out some chars,
11 ; using macro:
12 putc 'H'
13 putc 'e'
14 putc 'l'
15 putc 'l'
16 putc 'o'
17 putc ','
18 putc 't'
19 putc 'h'
20 putc 'e'
21 putc 'r'
22 putc 'e'
23 putc '!'
24
25 ; new line:
26 putc 0Dh
27 putc 0Ah
28
29 ; print string using macro
30 ; with carriage return in the end:
31 printn "Assembly language programming is fun!"
32
33 ; print string using procedure:
34 lea si, msg
35 call print_string
36
37 ; input a number into cx
38 ; using procedure:
39 call scan_num
40
41 ; new line:
42 putc 0Dh
43 putc 0Ah
44
45 print "Your lucky number is: "
46 mov ax, cx
47 ; print out the number in ax
48 ; using procedure:
49 call print_num
50
51
52 printn ""
53 printn ""
54
55 printn "press any key..."
56 mov ah, 0
57 int 16h
58

```