```
[org 0x7c00]
                             ; make nasm aware of the boot sector offset
  mov bp, 0x8000
                             ; move the base of the stack pointer beyond the boot sector offset
                              ; move the top and bottom stack pointers to the same spot
   mov sp, bp
   mov bx, poem
   {\tt call\ print\_str}
                             ; loop forever
  jmp $
9
                             ; define a print ''function'' for null terminated strings
   print_str:
    mov al, [bx] cmp al, 0
                             ; print that low bit, then that high bit
11
    je the end
mov ah, 0x0e
13
                             ; set up the scrolling teletype interrupt
15
     int 0x10
                             ; call interupt handler
     add bx, 0x1
17
     jmp print_str
     the\_end:
19
       ret
21
     db 0xA, 0xD, \
23
     ^{25}
     0xA, 0xD,
27
     '************************************/ ', \
     0xA, 0xD,
29
     0xA, 0xD,
     'A word gives life to bare metal', \
31
     0xA\,,\ 0xD\,,
     0xA, 0xD,
33
     'Bytes inviting execution', \
     0xA, 0xD,
35
     0xA, 0xD,
     'Guide to a sector to settle', \
     0xA, 0xD,
     0xA, 0xD,
39
     'A word gives life, to bare metal', \
     0xA, 0xD,
41
     0xA, 0xD
     'The bootloader', 0x27, 's role is vital', \
     0xA, 0xD,
     0xA, 0xD,
     'Denoted by its locution-', \
45
     \begin{array}{ccc} 0xA\,, & 0xD\,, \\ 0xA\,, & 0xD\,, \end{array}
47
     'A word gives life to bare metal', \
49
     0xA, 0xD,
     0xA, 0xD,
     'Bytes inviting execution', \
51
     0xA, 0xD, \
0xA, 0xD, \
''// @linuxpoetry (linux-poetry.com)', \
53
55
                             ; write zeros to the first 510 bytes
  times 510 - (\$-\$\$) db 0
   dw 0xaa55
                             ; write the magic number
```

An MBR/ASM/PDF polyglot variant made by the usual suspects is available in this very polyglot PDF.