Table 3-4: OS Signature

Bits	Description
63:48	OS Signature
47:32	FS Signature
31:16	Partition usage. OS/FS specific/defined.
15:00	OS specified: partition order/cleanup

All fields in any portion of the eMBR are in little-endian format, LSB written first. The reserved fields should be written as zeros when creating new entries. However, when reading an existing partition entry, all reserved fields should be written back as they were read. If a reserved field is non-zero, it should be written back as the same non-zero value.

The Boot Menu

At boot time, once the MBR has loaded the first sector of our code, then that code loaded the remaining sectors and parsed the partition entries, it should display all non-hidden entries and allow the user to choose one to boot. The code that I have included on the disc produces a menu similar to the following figure.

Figure 3-2: Boot Menu Example