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 FYS OS (aka Konan) Multi-boot EMBR v0.92.10 (C)opyright Forever Young Software 2015

This is the description	n for #3.			
Base LBA: 00000000	90001234h	Sectors:	000000000005678	3h
This is the description	n for #4.			
Base LBA: 00000001	23456789h	Sectors:	0000000987654321	l h
This is the description	n for #5.			
Base LBA: 012345676	39ABCDEFh	Sectors:	FEDCBA9876543210	)h
This is the description	n for #6.			
Base LBA: 00000000	DF9A465h	Sectors:	00000005744EBB10	Ch
This is the description	n for #7.			
Base LBA: 11111111	L1111111h	Sectors:	222222222222222222222222222222222222222	2h
This is the description	n for #8.			
Base LBA: 333333333	33333333h	Sectors:	444444444444444444444444444444444444444	łh
This is the description	n for #9.			
Base LBA: 555555555	55555555h	Sectors:	666666666666666666	óh

Will boot entry 7 in 18 seconds.