

# F20FO Lab 4

## Data Hiding & Data Recovery

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## Lab 4.2: Examine and Repair MBR

### What is MBR for?

The Master Boot Record (MBR) is used for booting the system and accessing the partitions on the disk.

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### What sector is it located at?

It is in **Sector 0**.

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### How many primary partitions can it define?

MBR can define a maximum of 4 primary partitions.

Primary Partitions can contain a file system or an operating system.

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### What are the last 2 bytes?

**55 AA** are the last 2 bytes in MBR.

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### How many times does the sequence of values 55 AA occur in the MBR?

The sequence of values 55 AA appears 3 times in the MBR.

- Address 0805<sub>HEX</sub>
- Address 0F05<sub>HEX</sub>
- Address 01FE<sub>HEX</sub>

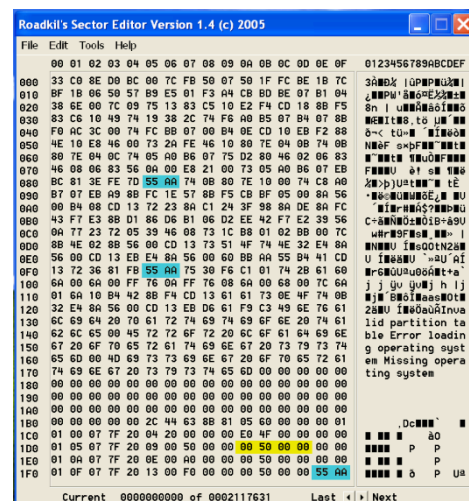


Figure 1: Screenshot of the Master Boot Record (MBR) of the disk

## What is the size of the partition?

### 10 megabytes

Partition Size: 00 00 50 00<sub>16</sub> → 20480 sectors

20480 sectors × 512 bytes = 10,485,760 bytes

10,485,760 bytes / 1024 = 10,240 Kbytes

10,240 Kbytes / 1024 = 10 Mbytes

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## Do the sizes correspond with what you can see in My Computer?

Yes, the total size corresponds to what I see in My Computer.

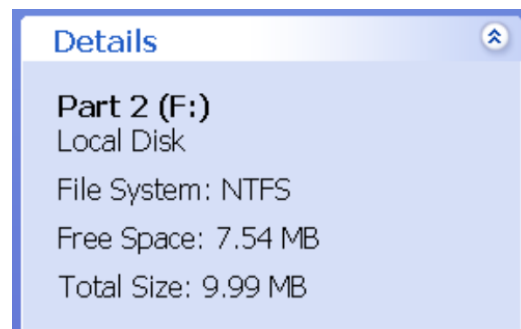


Figure 2: Screenshot of the total size of the disk

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## Modify MBR

### Is the footer (the MBR signature) fixed? Attach a screenshot

