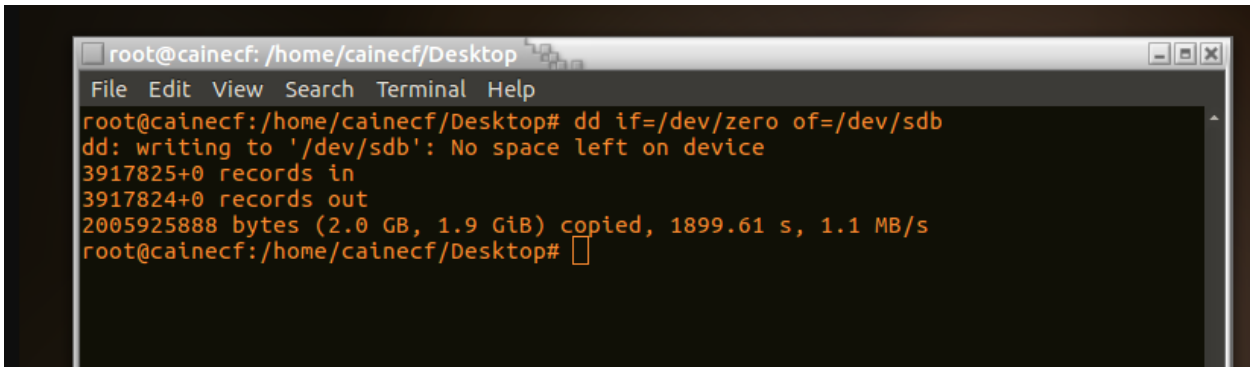
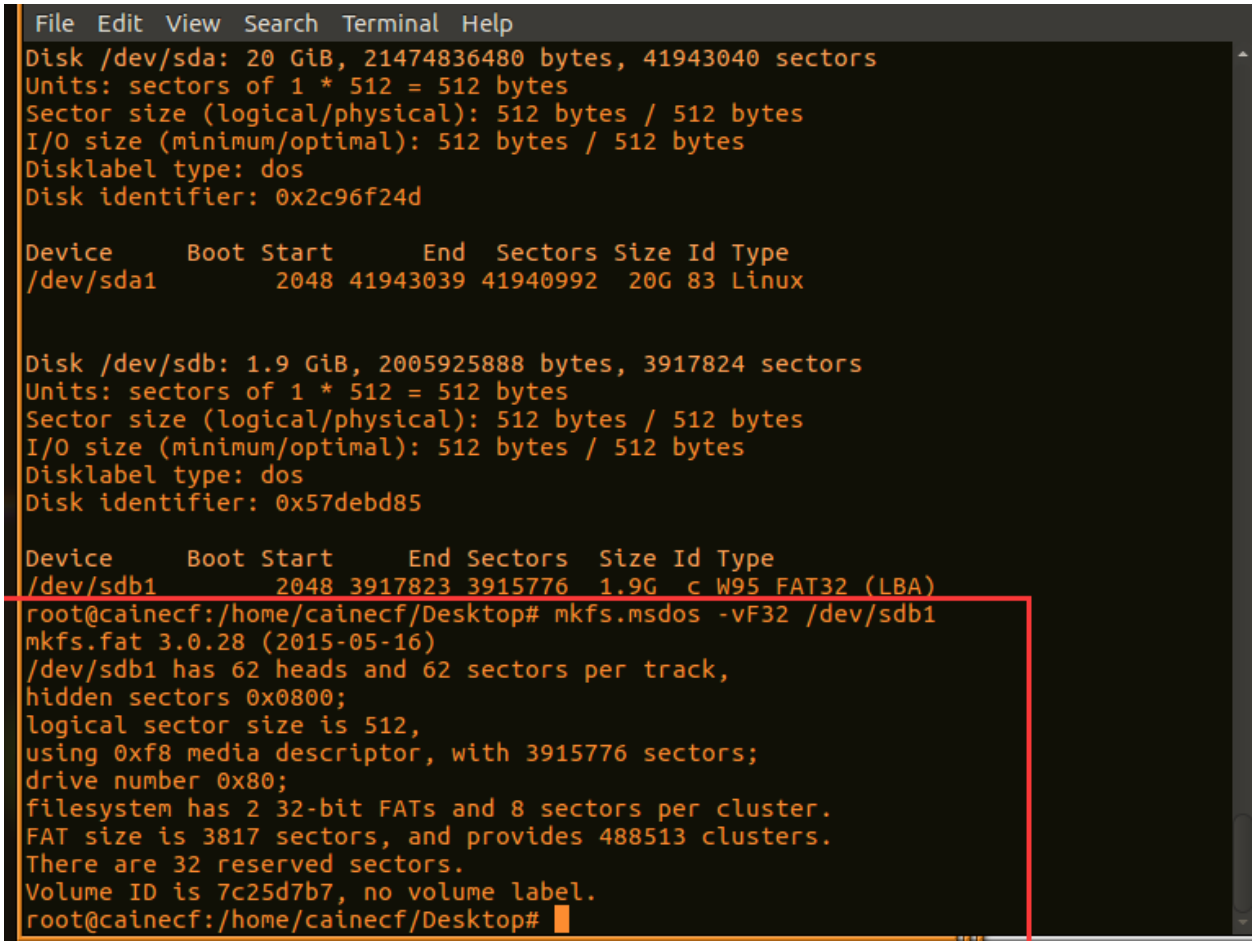
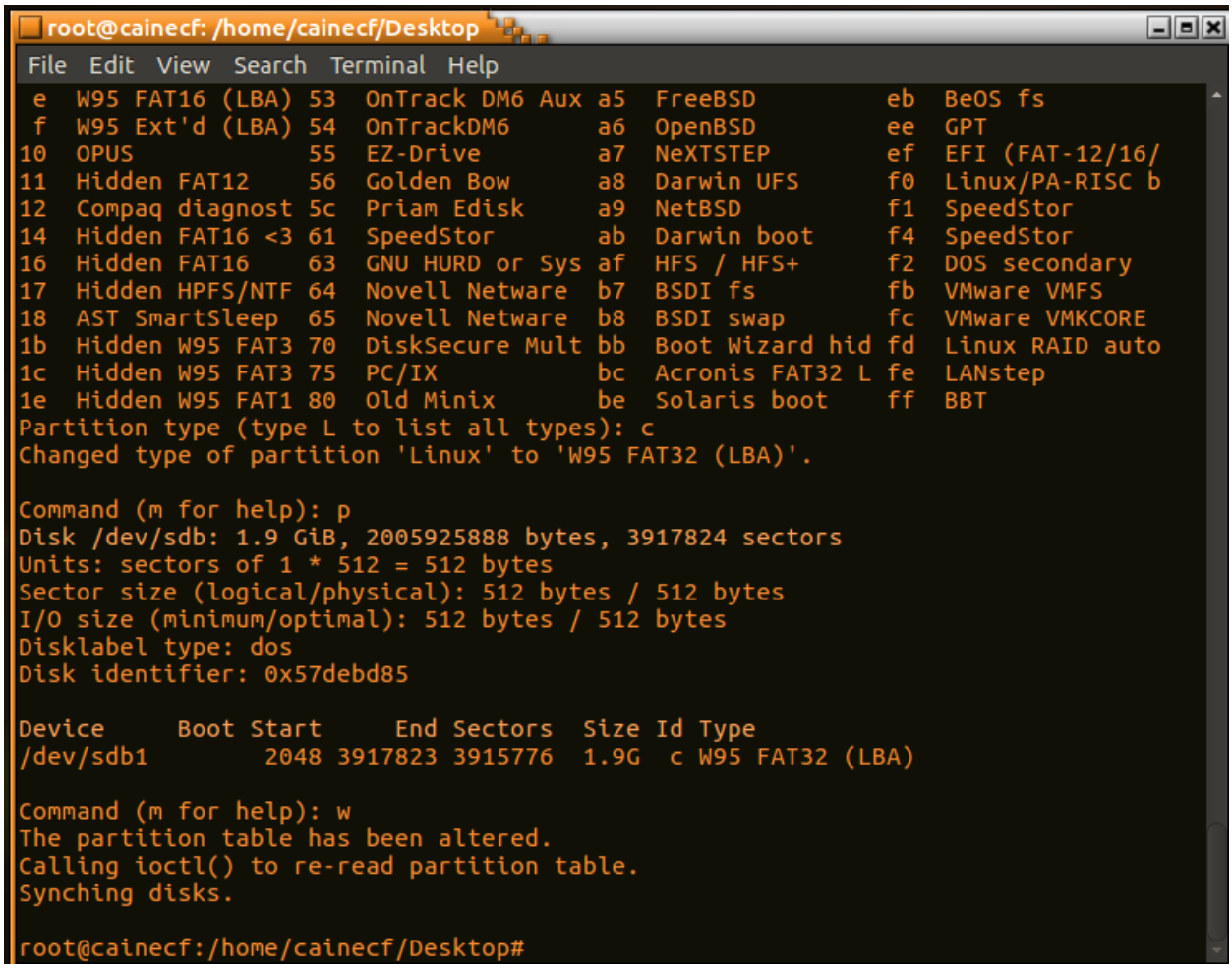
Drive zero’d out



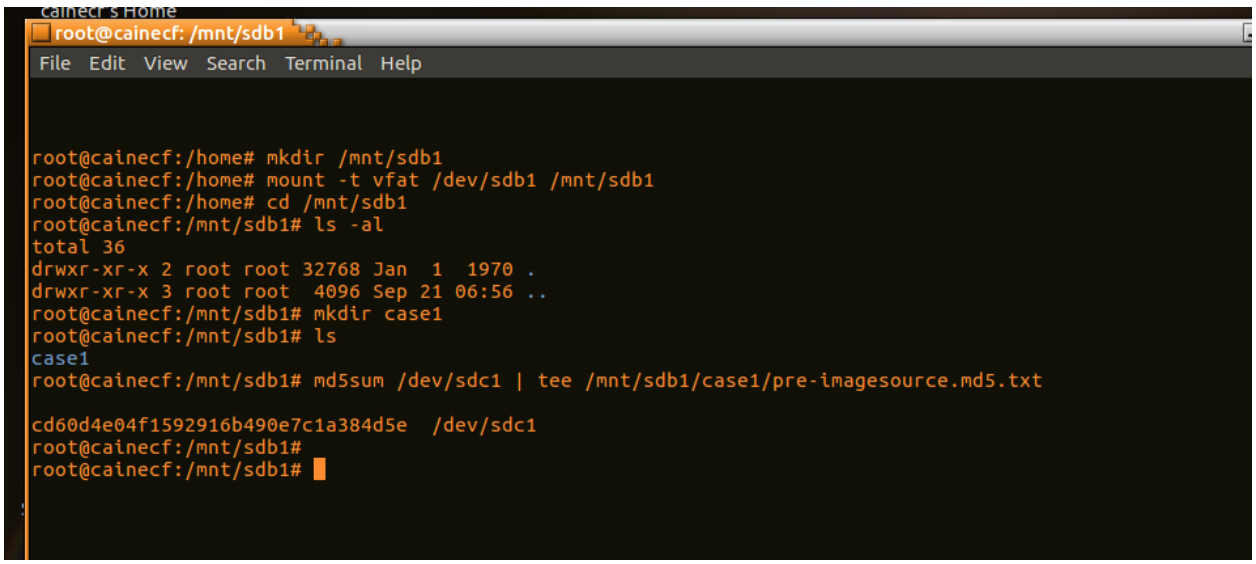
Format FAT file system



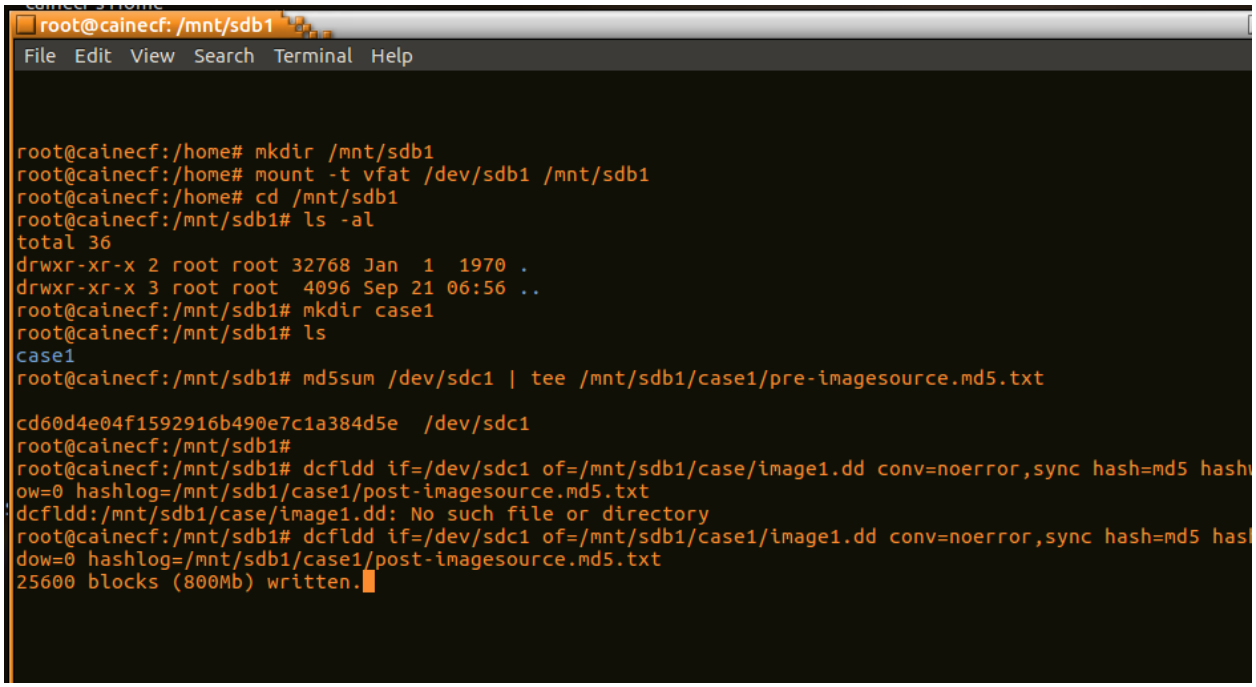
Change disk to FAT32



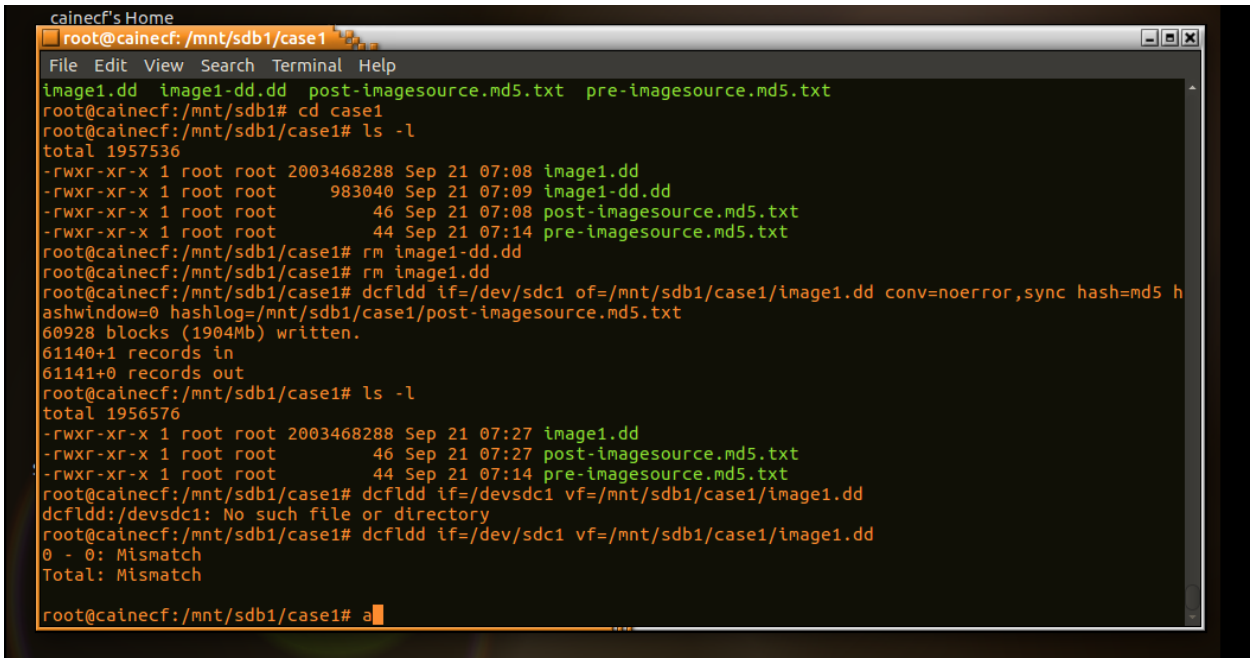
Calculate source HASH



Copy to target drive



Validate HASH



1. 1. What are the two broad categories of acquisition? **Physical and logical**
2. 2. What is a live storage acquisition and when is it used? **When the data is taken from a running machine i.e a computer at a suspects house.**
3. 3. Which command should be used to check the disks available on the current system? You only need to state the command name, not the entire command string. **Fdisk -l**

4. The mkfs -t command does what? **It is used to build a linux file system with a specified type.**

5. Which drive should be 'zeroed out', the source evidence drive or the target drive? **The target drive**

6. What is the purpose of 'zeroing out' before a storage acquisition is performed? **It ensures the target drive will not corrupt any data being acquired from the evidence drive.**

7. When you issue the command the command dd if=/dev/zero of=/dev/sdb What does the string "/dev/sdb" represent? **It is the path for the output file destination.**

8. The md5sum /dev/sda command does what? Why is it used? **It applies a MD5 hash to the file in the path location. We use it so we can compare the MD5 has of the source file to a MD5 hash applied to the output file to ensure the integrity of the data.**

9. How many times should the md5sum command be used at least in one acquisition? **Twice. Once on the original file, and once on the copy to ensure data integrity.**

10. Instead of using “dd”, what other commands can you use to perform data acquisition in Linux? **dcfldd**