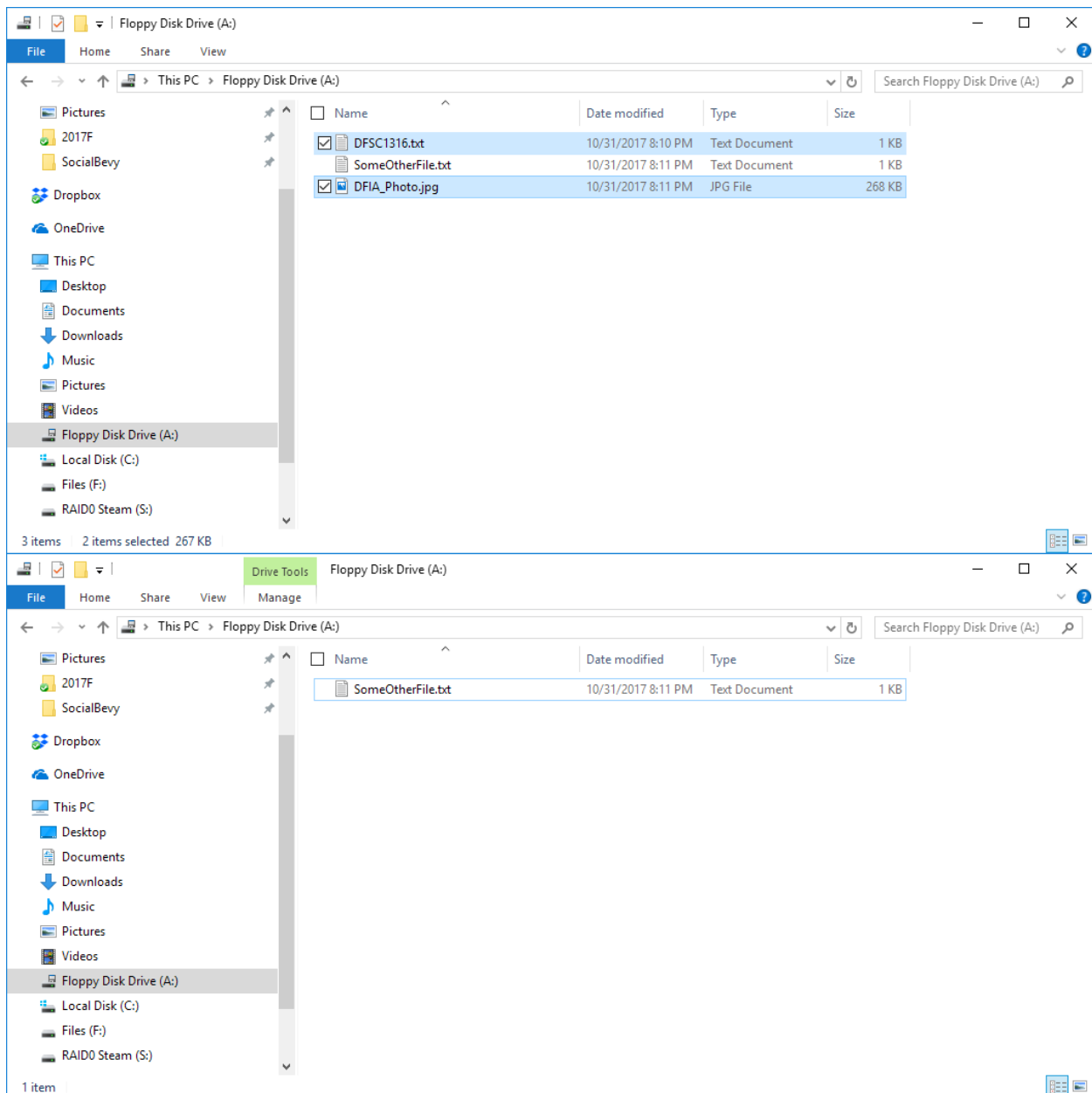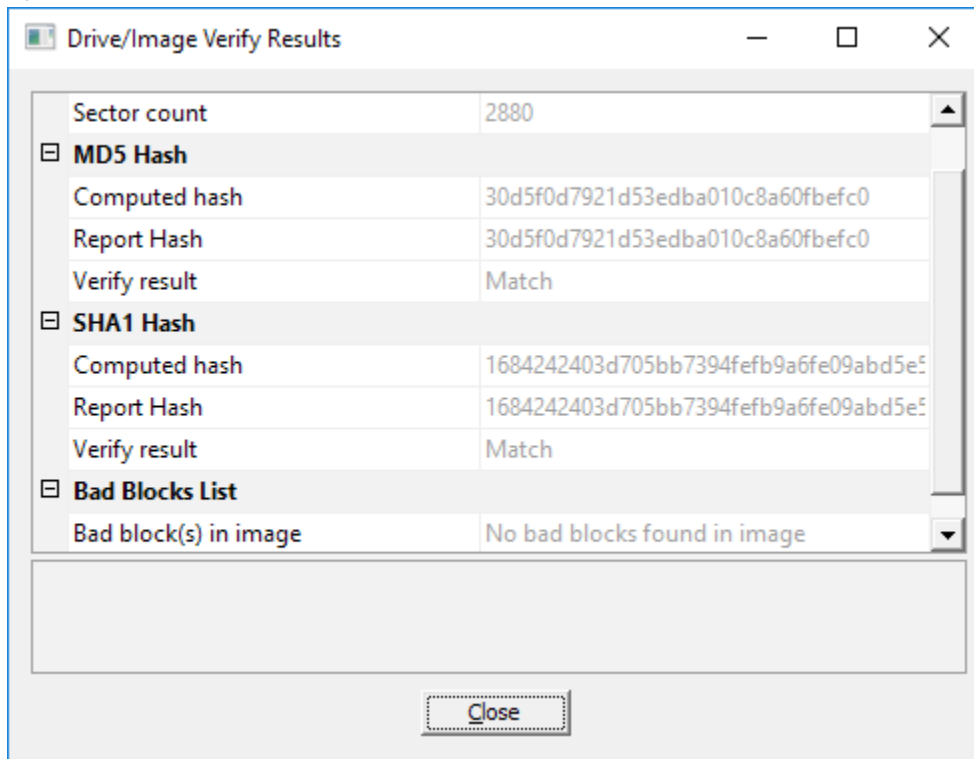Christiaan Cronje
Autumn Burks

Lab 5

1. We created the DFSC1316.txt file, we then created another text file, SomeOtherFile.txt, and copied an image DFIA_Photo.jpg. We then deleted the highlighted files.
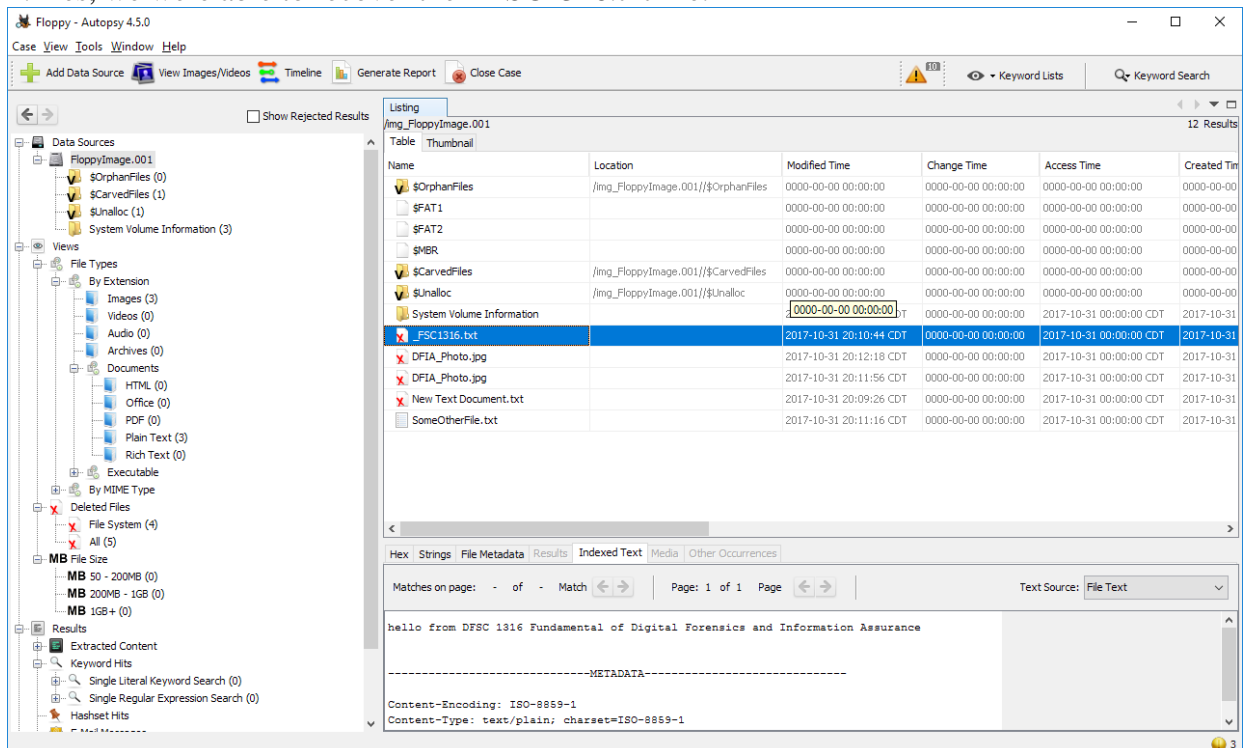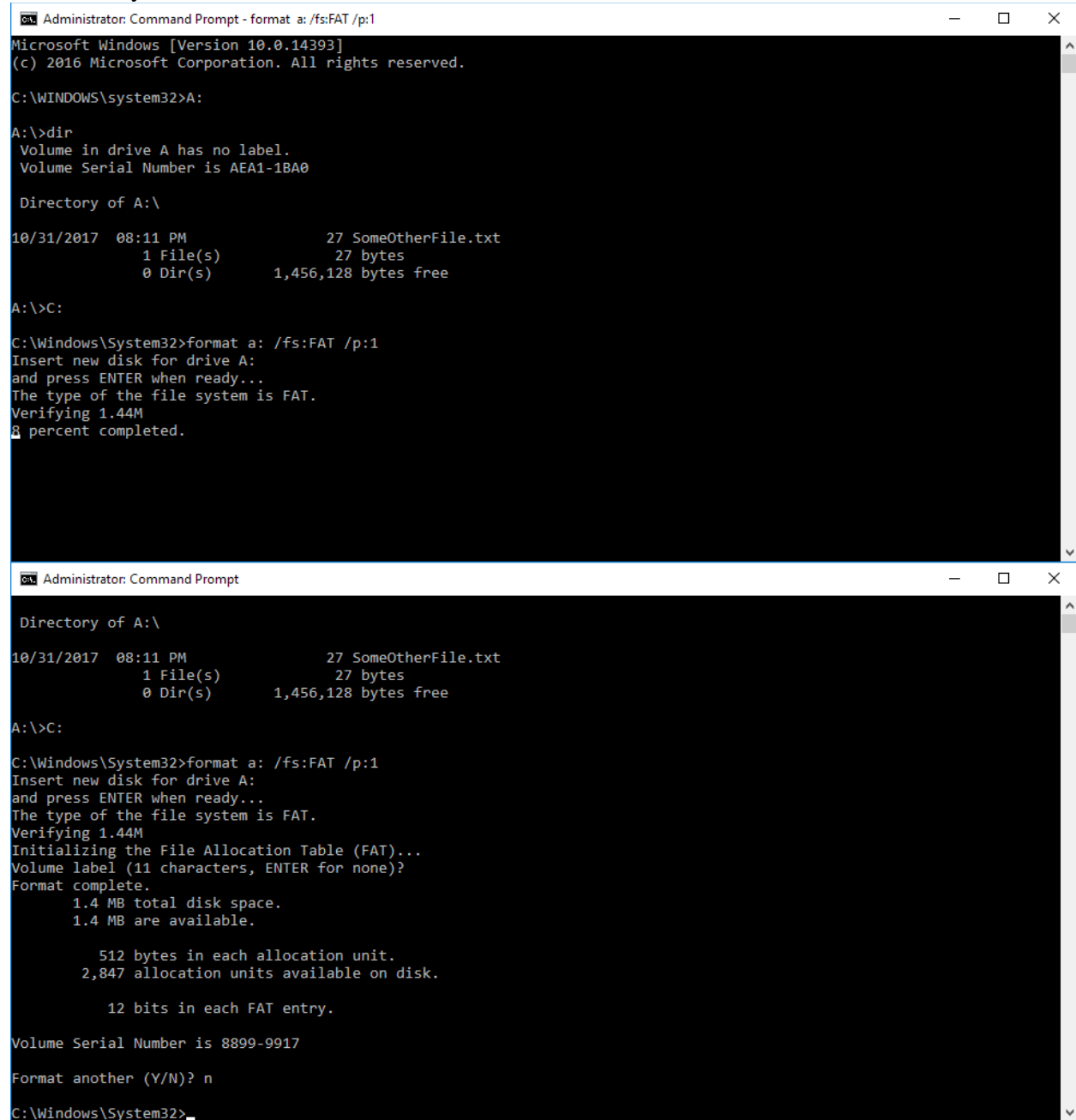
2.

3. The hash value is 30d5f0d7921d53edba010c8a60fbefc0

4. Yes, we were able to recover the DFSC1316.txt file.

5. It is possible to zero fill the drive when formatting it through the command line. We attempted to do this. The /p flag indicates that we want to write zeros to the drive. We created another Image and ran the test again. No remnants of the files were found on the drive. We erased them successfully.

```
Administrator: Command Prompt - format a: /fs:FAT /p:1                          —    □    ×

Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>A:

A:\>dir
 Volume in drive A has no label.
 Volume Serial Number is AEA1-1BA0

 Directory of A:\

10/31/2017  08:11 PM                27 SomeOtherFile.txt
               1 File(s)            27 bytes
               0 Dir(s)     1,456,128 bytes free

A:\>C:

C:\Windows\System32>format a: /fs:FAT /p:1
Insert new disk for drive A:
and press ENTER when ready...
The type of the file system is FAT.
Verifying 1.44M
8 percent completed.
```

```
Administrator: Command Prompt                                                   —    □    ×

 Directory of A:\

10/31/2017  08:11 PM                27 SomeOtherFile.txt
               1 File(s)            27 bytes
               0 Dir(s)     1,456,128 bytes free

A:\>C:

C:\Windows\System32>format a: /fs:FAT /p:1
Insert new disk for drive A:
and press ENTER when ready...
The type of the file system is FAT.
Verifying 1.44M
Initializing the File Allocation Table (FAT)...
Volume label (11 characters, ENTER for none)?
Format complete.
        1.4 MB total disk space.
        1.4 MB are available.

          512 bytes in each allocation unit.
        2,847 allocation units available on disk.

           12 bits in each FAT entry.

Volume Serial Number is 8899-9917

Format another (Y/N)? n

C:\Windows\System32>
```

Drive/Image Verify Results

Sector count	2880
MD5 Hash	
Computed hash	2c5afa318deccad2b5104f48ee562d49
Report Hash	2c5afa318deccad2b5104f48ee562d49
Verify result	Match
SHA1 Hash	
Computed hash	6806f1660498625b69e635e905ae064dc1249
Report Hash	6806f1660498625b69e635e905ae064dc1249
Verify result	Match
Bad Blocks List	
Bad block(s) in image	No bad blocks found in image

Close

FloppyFormat - Autopsy 4.5.0

Case View Tools Window Help

Add Data Source   View Images/Videos   Timeline   Generate Report   Close Case   Keyword Lists   Keyword Search

Show Rejected Results

Listing
/img_FloppyFormatted.001   6 Results

Table Thumbnail

Name	Location	Modified Time	Change Time	Access Time	Created
$OrphanFiles	/img_FloppyFormatted.001//$OrphanFiles	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00
$FAT1		0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00
$FAT2		0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00
$MBR		0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00
$Unalloc	/img_FloppyFormatted.001//$Unalloc	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00
System Volume Information		2017-10-31 20:27:54 CDT	0000-00-00 00:00:00	2017-10-31 00:00:00 CDT	2017-10

Data Sources
- FloppyFormatted.001
  - $OrphanFiles (0)
  - $Unalloc (1)
  - System Volume Information (3)
- Views
  - File Types
    - By Extension
      - Images (0)
      - Videos (0)
      - Audio (0)
      - Archives (0)
      - Documents
      - Executable
    - By MIME Type
  - Deleted Files
    - File System (0)
    - All (0)
  - File Size
    - 50 - 200MB (0)
    - 200MB - 1GB (0)
    - 1GB+ (0)
- Results
  - Extracted Content
  - Keyword Hits
    - Single Literal Keyword Search (0)
    - Single Regular Expression Search (0)
  - Hashset Hits
  - E-Mail Messages
  - Interesting Items
  - Accounts
- Tags
- Reports

Hex Strings File Metadata Results Indexed Text Media Other Occurrences

3