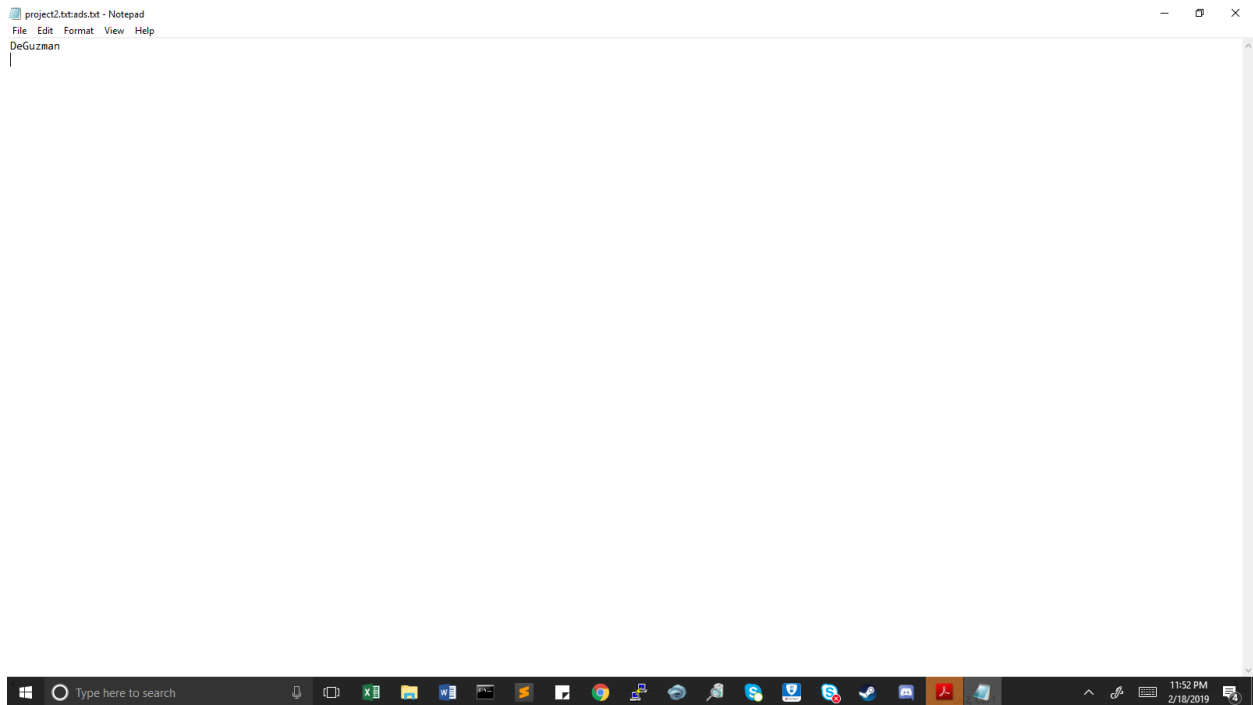


Question 1

1. What is the file size in bytes?
 - a. 35 bytes
2. What is the creation date and time of this file?
 - a. Creation date: 02/17/2019
 - b. Creation time: 19:32:32
3. What is the last modified date and time of this file
 - a. 02/17/2019 19:32:34
4. Last accessed day of this file
 - a. 02/17/19 09:50:34
5. What is the starting cluster number of this file?
 - a. 6
6. Why can you not determine the last accessed time of this file?
 - a. The disk was originally NTFS, but reformatted as FAT32 which does not show the last accessed time of the file.
7. The hexadecimal cha
 - a. The hexadecimal changes alter the integrity of the data of the drive.

Question 2a

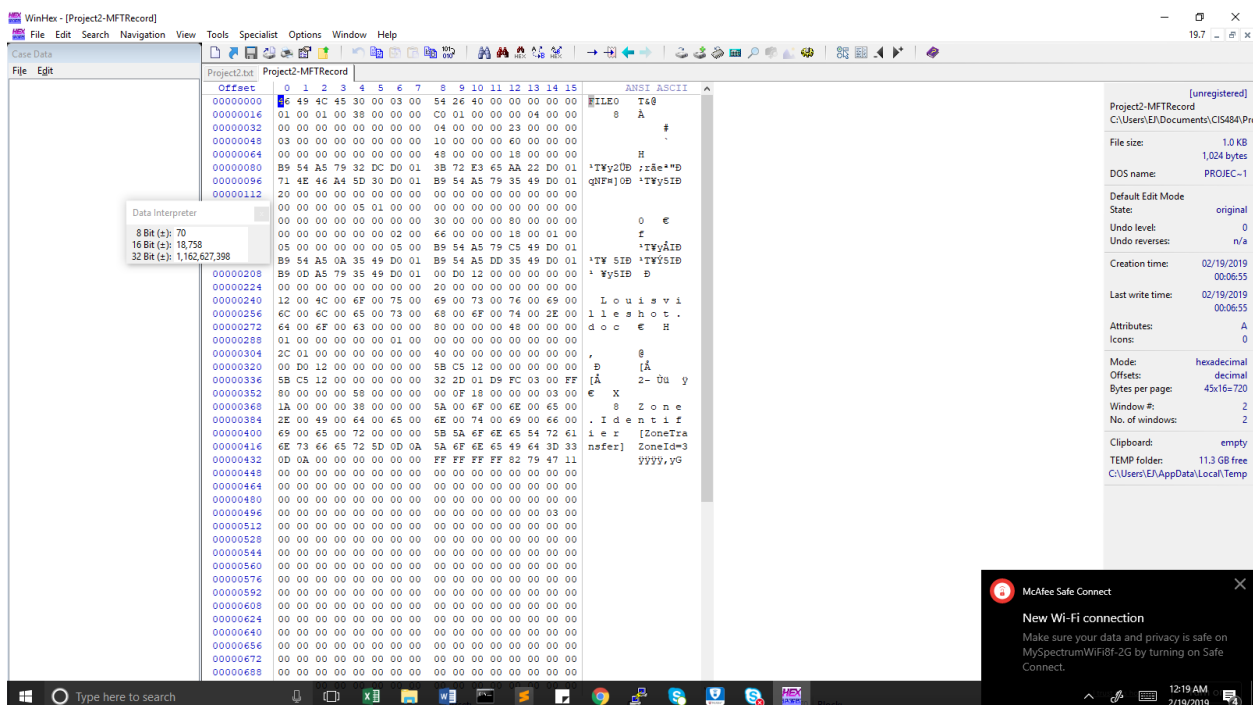


1. The picture above is the screenshot for the alternate data stream file
2. When checking the properties of the Project2.txt file, it shows different file sizes on the size and size on disk respectively. For the size, the file is shown to be 169 KB (173, 410 bytes) whereas

the size on disk is 180 KB (184,320 bytes). This can determine that there is an alternate data stream along with the file.

Question 2b

1. You can tell that there is an alternate data stream by looking at the ASCII text. It has the file name but shows the extension of Louisville shot doc. It starts with 80
2. Alternate data streams can affect forensic examination because they are hidden. Because these files can be hidden from programs, it can be difficult to identify them which could have very important information in regards to the case. Also, these files can contain harmful code which can be detrimental in progressing towards the case. This can ultimately lead to the loss of data or damaged hardware
3. This is a screenshot of the hexadecimal view of the MFT record



Question 2c

1. When I tried to copy the file it did not copy the contents of the file and shows it as 0 KB.
2. This shows that the contents cannot transfer from different formatted drives, for example transferring from an NTFS formatted drive to a FAT32 formatted drive.

Question 3

1. Unallocated file since it is 00 00 and it is a deleted file
2. 35
3. Fri, 21 Aug 2015 16:57:34
4. Sun, 28 Dec 2014 14:27:24
5. Thu, 15 Jan 2015 00:53:13
6. Sun, 28 Dec 2014 14:27:24

7. Name of the file: Louisvilledot.doc
8. There are 8 timestamps
9. 00 00 it is a deleted file
10. Resident
11. There are two 0x80