Create Hash Values

Using the "ls" command, I identified the files in the current directory. There are two files: "file1.txt" and "file2.txt"

```
analyst@1f5f2df35601:~$ ls
file1.txt   file2.txt
```

Next, I used the "cat" command to read both files.

```
9sxa5Yq20Ranalyst@1f5f2df35601:~$ cat file1.txt
X5O!P%@AP[4\PZX54(P^)7CC)7}$EICAR-STANDARD-ANTIVIRUS-TEST-FILE!$H+H*
analyst@1f5f2df35601:~$
```

```
analyst@1f5f2df35601:~$ cat file2.txt
X5O!P%@AP[4\PZX54(P^)7CC)7}$EICAR-STANDARD-ANTIVIRUS-TEST-FILE!$H+H*
9sxa5Yq20Ranalyst@1f5f2df35601:~$
```

Then, I demonstrated the "sha256sum" command to change the hash values for both files using SHA256 format.

```
analyst@1f5f2df35601:~$ sha256sum file1.txt
131f95c51cc819465fa1797f6ccacf9d494aaaff46fa3eac73ae63ffbdfd8267   file1.txt
analyst@1f5f2df35601:~$
```

```
analyst@1f5f2df35601:~$ sha256sum file2.txt
2558ba9a4cad1e69804ce03aa2a029526179a91a5e38cb723320e83af9ca017b   file2.txt
analyst@1f5f2df35601:~$
```

I made new files using "sha256sum".

```
analyst@1f5f2df35601:~$ sha256sum file1.txt >> file1hash
analyst@1f5f2df35601:~$ sha256sum file2.txt >> file2hash
```

The hash values on both files are noticeably different.

```
analyst@1f5f2df35601:~$ cat file1hash
131f95c51cc819465fa1797f6ccacf9d494aaaff46fa3eac73ae63ffbdfd8267   file1.txt
analyst@1f5f2df35601:~$ cat file2hash
2558ba9a4cad1e69804ce03aa2a029526179a91a5e38cb723320e83af9ca017b   file2.txt
```

When using the "cmp" command to compare both files, it is also apparent that both files are different.

```
analyst@1f5f2df35601:~$ cmp file1hash file2hash
file1hash file2hash differ: char 1, line 1
```