

Create Hash Values - Juan Cardenas

1. Used the ls command to list contents of the directory

```
analyst@fb6dfebf5642:~$ ls
file1.txt  file2.txt
analyst@fb6dfebf5642:~$
```

2. Used the cat command to display the contents of the file1.txt file

```
analyst@fb6dfebf5642:~$ cat file1.txt
X5O!P%AP[4\PZX54(P^)7CC)7}$EICAR-STANDARD-ANTIVIRUS-TEST-FILE!$H+H*
analyst@fb6dfebf5642:~$
```

3. Used the cat command to display the contents of the file2.txt file

```
analyst@fb6dfebf5642:~$ cat file2.txt
X5O!P%AP[4\PZX54(P^)7CC)7}$EICAR-STANDARD-ANTIVIRUS-TEST-FILE!$H+H*
9sxa5Yq20Ranalyst@fb6dfebf5642:~$
```

4. Use the sha256sum command to generate the hash of the file1.txt file:

```
9sxa5Yq20Ranalyst@fb6dfebf5642:~$ sha256sum file1.txt
131f95c51cc819465fa1797f6ccacf9d494aaaff46fa3eac73ae63ffbfd8267 file1.txt
analyst@fb6dfebf5642:~$
```

5. Use the sha256sum command to generate the hash of the file2.txt file:

```
analyst@fb6dfebf5642:~$ sha256sum file2.txt
2558ba9a4cad1e69804ce03aa2a029526179a91a5e38cb723320e83af9ca017b  file2.txt
analyst@fb6dfebf5642:~$
```

Compare Hashes

1. Used the sha256sum command to generate the hash of the file1.txt file, and send the output to a new file called file1hash did the same for file2.txt to file2hash

```
analyst@fb6dfebf5642:~$ sha256sum file1.txt >> file1hash
analyst@fb6dfebf5642:~$ sha256sum file2.txt >> file2hash
analyst@fb6dfebf5642:~$
```

2. Use the cat command to display the hash values in the file1hash and file2hash files.

```
analyst@fb6dfebf5642:~$ cat file1hash
131f95c51cc819465fa1797f6ccacf9d494aaaff46fa3eac73ae63ffbd8267  file1.txt
analyst@fb6dfebf5642:~$ cat file2hash
2558ba9a4cad1e69804ce03aa2a029526179a91a5e38cb723320e83af9ca017b  file2.txt
```

3. Use the cmp command to highlight the differences in the file1hash and file2hash files

```
analyst@fb6dfebf5642:~$ cmp file1hash file2hash
file1hash file2hash differ: char 1, line 1
analyst@fb6dfebf5642:~$
```