Create hash values

Scenario

In this scenario, you need to investigate whether two files are identical or different.

Task 1. Generate hashes for files

1.1. Command to display the contents of the file1.txt and file2.txt file:

```
analyst@c78377d6fc94:~$
analyst@c78377d6fc94:~$
analyst@c78377d6fc94:~$
analyst@c78377d6fc94:~$ cat file1.txt
X50!P&@AP[4\PZX54(P^)7CC)7}$EICAR-STANDARD-ANTIVIRUS-TEST-FILE!$H+H*
analyst@c78377d6fc94:~$ cat file2.txt
X50!P&@AP[4\PZX54(P^)7CC)7}$EICAR-STANDARD-ANTIVIRUS-TEST-FILE!$H+H*
9sxa5Yq20Ranalyst@c78377d6fc94:~$
```

1.2. Command to generate the hash of the file1.txt and file2.txt file:

Command: sha256sum file1.txt Command: sha256sum file2.txt

```
analyst@c78377d6fc94:~$
analyst@c78377d6fc94:~$
sha256sum file1.txt
131f95c51cc819465fa1797f6ccacf9d494aaaff46fa3eac73ae63ffbdfd8267 file1.txt
analyst@c78377d6fc94:~$ sha256sum file2.txt
2558ba9a4cadle69804ce03aa2a029526179a91a5e38cb723320e83af9ca017b file2.txt
analyst@c78377d6fc94:~$
```

Task 2. Compare hashes

2.1. Command to generate the hash of the file1.txt file, and send the output to a new file called file1hash:

Command to generate the hash of the file2.txt file, and send the output to a new file called file2hash:

Command: sha256sum file1.txt >> file1hash

Command: sha256sum file2.txt >> file2hash

```
analyst@c78377d6fc94:~$
analyst@c78377d6fc94:~$ sha256sum file1.txt >> file1hash
analyst@c78377d6fc94:~$
analyst@c78377d6fc94:~$
analyst@c78377d6fc94:~$ sha256sum file2.txt >> file2hash
analyst@c78377d6fc94:~$
```

2.2. Display the hash values in the file1hash and file2hash files.

cat file1hash cat file2hash

```
analyst@c78377d6fc94:-$ cat file1hash
131f95c51cc819465fa1797f6ccacf9d494aaaff46fa3eac73ae63ffbdfd8267 file1.txt
analyst@c78377d6fc94:-$ cat file2hash
2558ba9a4cad1e69804ce03aa2a029526179a91a5e38cb723320e83af9ca017b file2.txt
analyst@c78377d6fc94:-$
```

2.3. Command to highlight the differences in the file1hash and file2hash files:

Command: cmp file1hash file2hash

```
analyst@c78377d6fc94:~$
analyst@c78377d6fc94:~$ cmp filelhash file2hash
filelhash file2hash differ: char 1, line 1
analyst@c78377d6fc94:~$
```

Note: The output of the cmp command indicates that the hashes differ at the first character in the first line.