HashValidator

HashValidator is a program written in python which validates if a file has been tampered by comparing the hash of the file before and after the download. It runs in both Windows and Linux/Unix systems. Also, it is compatible with Python 2 and Python 3. In order to use this program:

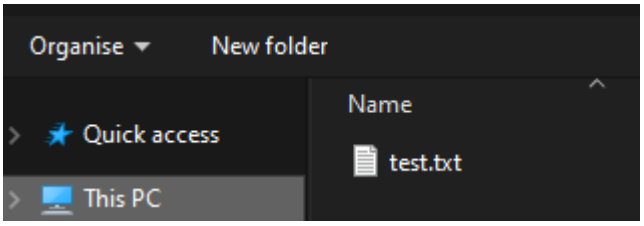
- You must have Python installed in your system or you can download it from here
- Download the program or clone the repository in your system
- Execute the command “python [path of the program]”
  In Windows:

```
\Desktop> python .\HashValidator.py
```

  and in Linux/Unix:

```
~/Desktop/Scripts/python# python HashValidator.py
```

- Choose the file that you want to validate from the file explorer



- Choose the hash type by entering the corresponding number from the menu

```
-----------Initial Menu-----------
0) SHA224
1) SHA1
2) SHA512
3) SHA3_384
4) SHA3_512
5) MD5
6) BLAKE2B
7) BLAKE2S
8) SHA256
9) SHA384
10) SHAKE_128
11) SHAKE_256
12) SHA3_256
13) SHA3_224
Please type your choice (number): 5
```

- Enter the hash of the file

```
Please type the hash you want to check: 0465a9819c15c0a6e2299152bd5f93ec
```

- Then it will show the results

If the file is intact it will show:

```
Please type the hash you want to check: 0465a9819c15c0a6e2299152bd5f93ec
0465a9819c15c0a6e2299152bd5f93ec
0465a9819c15c0a6e2299152bd5f93ec

[+] The hashes match. The file is intact!!!
```

Else if the file has been tampered:

```
Please type the hash you want to check: 0465a9819c15c0a6e2299152bd5f93eb
0465a9819c15c0a6e2299152bd5f93ec
0465a9819c15c0a6e2299152bd5f93eb

[-] The hashes do not match. The file has been tampered!!!
```