**Digital Forensics Lab Report: 10**

Date: 02-11-2022

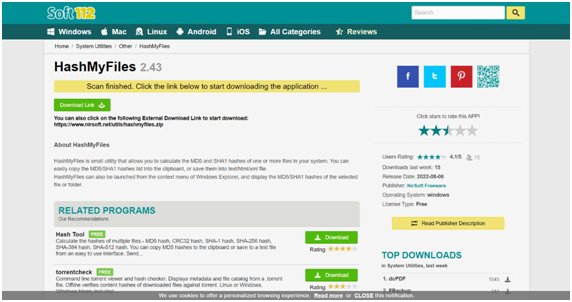
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| Roll No: | 19BCP138 |
| Subject Code: | 20CP411P |
| Subject Name: | Digital Forensics Lab |

**Aim/Purpose:** Study of Hash and Hack Analysis Tools.

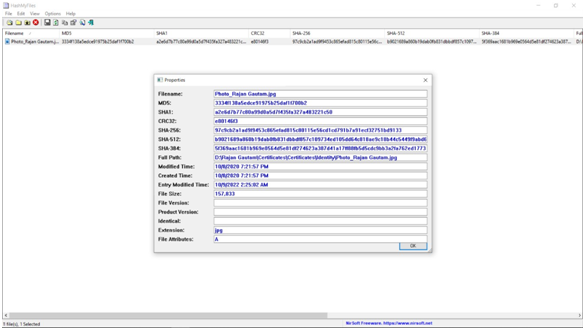
**Tool Names:** WinHEX, Garrykesler, hashmefile ignoreware.

## Step 1: Download and Install HashMyFiles

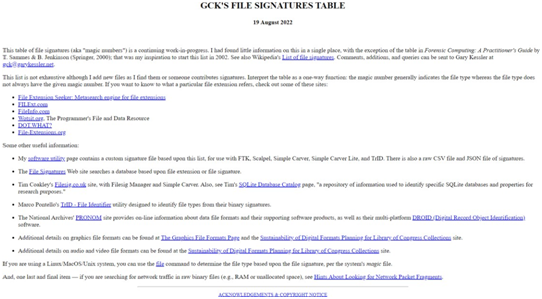
* Visit <https://hashmyfiles.soft112.com/modal-download.html> and Download HashMyFiles as ZIP. Extract the zip file to get the .exe file.

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* Open the Application and open any file.

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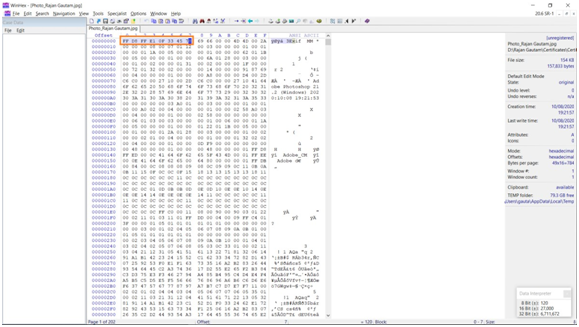
* Access Garrykesler from this URL <https://www.garykessler.net/library/file_sigs.html>

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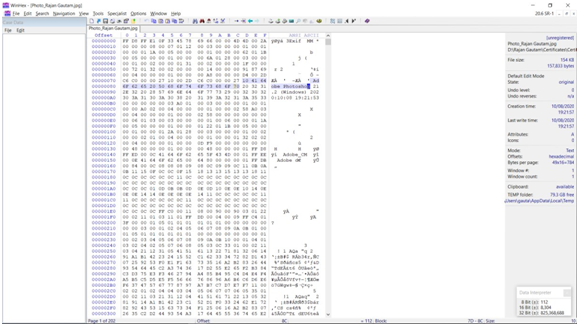
* Check Hex Value for .JPG file in GCK’s file. As per them Hex value for JPG image is ‘FF D8 FF E1 xx xx 45 78’.

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* Open the same file using WinHEX. We can see the same HEX value in the editor which shows the file is .JPG file.

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* The image was edited with Adobe photoshop, that also we can verify from the HEX Code.

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* When I updated the file using Paint and check the Hash value, I found the change in Hash Value also.

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## Conclusion:

* The integrity of files can be checked using HEX Code analysis.