Participation 01 Assignment

Validating Data Acquisitions

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1. Now, run the `crc32` Linux utility on this file (e.g., `crc32 textfile1`) and record the resulting hash value:
   799e09d8
2. Copy this file using the `cp` command as **`textfile2`**. Then, change the letter `p` to a `b` in the file using the `vim` or `nano` editor and run the `crc32` utility against this new file to record the resulting hash value:
   fba8632f
3. Run the `crc32` utility on this file and record the resulting hash value:

   799e09d8

First, create an MD5 and SHA-1 checksum of your **`textfile3`**. To do this, run the `md5sum` and `sha1sum` Linux utilities on the file and record your results:

MD5: 688al5e4338affbadeaal00d8cead842

SHA-1: db82d119930e0cdee86e07cbcbee23b72a480e58

7. Finally, run the `md5sum` and `sha1sum` utilities on this altered image file and record your results:

MD5:a07e2a51c2aab5583b9a089ff4d582bc

SHA-1:9aa5dd5653a80f711c4eee61aefd89b8857750d1

Notice how a difference of only 1 byte causes both the MD5 and SHA1 hash values to change drastically. This demonstrates the value of using and checking MD5 and SHA1 signatures of files when downloading them from the Internet.