**USC UPSTATE**

**CSCI 455: Computer Security**

**Spring 2019**

**Lab 6**

**Problem 1**

Command line hash generators

Work on Project 5-3 as follows. Generate the hash digests for Country1.docx and Country2.docx using different hash algorithms and fill the following table:

|  |  |  |
| --- | --- | --- |
| Hash algorithms | Country1.docx | Country2.docx |
| MD5 | 326f96ef2d22d6a125a262ce8ecf98a4 | 55f7b4a1c8258300fd5e03c34814c127 |
| SHA-1 | be083ab40da115704e7630f0196420487b1a3396 | 818a99f1facbf3040995ef90198bb1c880a7feb9 |
| SHA-256 | f8e17b472a0245738a5bb2d8f2be4a7d38604a0f74b20f8a5b1df5caeb951056 | 22587555378760a88e199a2c15fa09dc1f4dad2b20b6e97e977b49b40e96de5f |
| Whirlpool | ae264b34aaa913042263262fdcf50ea341c91058de4092a8b1ea4b6c962ef6fa686720e757edcd0d70141d7efa41bebc4c0f26986d4618bad24a38a3144b4816 | 723617b7c76f6fa893b9d75c925509bbcca8b2239545a062350bf2d39f1d027871eca52b8c22d3b6465fc82958a6d0ae58a117c4f6d60dbcd8363ff9167d5a9b |

Note:

For Windows users, you can directly download the file from blackboard and follow the instruction from step 4.

For Mac users, please go to <http://macappstore.org/md5deep/> and perform step 2 and 3 there in your terminal to install the software and then you can follow the instruction in Project 5-3 from step 5.



