**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 | 031e1922b52e79e75fb743340bcf1fc4 | d199d6780a6ea73093349b6b38c6d36e |
| SHA-1 | 5fbb641e64de402cafced58ce0e88c2131271f7d | 25e466040836f316b612e3d50c66ee29e8a69b38 |
| SHA-256 | 4324ed83432ddf200dcd7bf039a62a75204502df943805f3ae93d30b9d1e9bd2 | 82afc877a2db81aa157aa04dd6d46a14bc4eb1d92c5a8499d088a8ff611483ff |
| Whirlpool | e75c655b3c1969b023c03cd60b9a4df61324f6129e97aa4240df84b09b9cd5531c14ccb747010a76546887d1e07e00a934d05a414dec817a6925d9d060e1bc2e | 06729cb4e2de6b5e16a87d2ff5a3f7747ce7d8fa8beb779417f687bc7347942b3bc6ef1d71558ae8f47edad7f6d71f81403da2974f496108071686101afc9f51 |

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.



