Lab #2 - Assessment Worksheet

Applying Encryption and Hashing Algorithms for Secure Communications

Course Name and Number: Student Name: Instructor Name:					
			La	ab Due Date:	
			La	ab Assessment Questions & Answers	
1.	Compare the hash values calculated for <i>Example.txt</i> that you documented duri this lab. Explain in your own words why the hash values will change when the c is modified.	_			
2.	If you were to create a new MD5sum or SHA1sum hash value for the modified <i>Example.txt</i> file, would the value be the same or different from the hash value created in Part 3 of the lab?				
3.	If you want secure email communications without encrypting an email message what other security countermeasure can you deploy to ensure message integri				
4.	When running the GnuPG command, what does the -e switch do? a. Extract b. Encrypt c. Export				

5. What is the difference between MD5sum and SHA1sum hashing calculations?

Which is better and why?

6.	Name the cryptographic algorithms used in this lab.	
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- 7. What do you need if you want to decrypt encrypted messages and files from a trusted sender?
- 8. When running the GnuPG command, what does the -d switch do?
 - a. Detach
- C. Decrypt
- b. Destroy
- c. Decrypt
- 9. When creating a GnuPG encryption key, what are ways to create entropy?