

# CS101: HW 8

Due: December 5, 2018

**Submission Instructions:** Type your answers to the following questions in a .doc or .txt file and submit on Canvas.

## Security

1. Find examples of two different security breaches or hacks. Which companies were affected? What kinds of information were taken? How did the companies respond?
2. Why is encryption important?
3. What makes for a good password? How can you make sure you choose good passwords?
4. Download a password manager of your choice. Use the password manager to create a 20-character password containing letters, numbers, and symbols, and paste it as your answer. Also, include a screenshot showing the password manager installed on your computer or phone.
5. Describe two different things you (a non-programmer) can do to protect yourself and your data. What type of attacks does each prevent against?
6. What is another example of a common way that you are tested by knowledge besides a password?
7. What is the purpose of hashing?

## Questions from Thursday are below

### Cryptocurrency and Privacy Questions

1. Why do local (or national) privacy laws affect the entire world? How would traveling to Europe affect your privacy?
2. Describe a situation (that we didn't discuss in class) where a company faced legal, political, or public repercussions for a privacy policy. How did they violate users' privacy, and what did the company do to remedy the situation or adapt in the future?
3. Describe one potential use for blockchain that's not to enforce a smart contract or to record cryptocurrency transactions.
4. Read the privacy policy of a company of your choice. Describe things you found interesting in that privacy policy (and include the name of the company).