CS101: HW 5

Due: November 7, 2018

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

Internet Exercises

1. Please fill out the anonymous survey (`https://goo.gl/forms/yqei4jZvUhb6nymo2`) giving course feedback. We really appreciate your time and honesty. As your answer to this question, write the indicated code from page two of the form.

2. Why do we have domain names? What is a real-life example of a domain name? Describe how domain names are hierarchical.

3. Describe the server/client model. Which is your computer?

4. Why is it important that the internet be redundant?

5. What does the term "Internet of Things" refer to? What is something that would be a part of the Internet of Things?

6. Explain how a checksum works. What layer uses the checksum, and what does it accomplish?

7. What is net neutrality? What is an argument for and an argument against net neutrality?

8. Why is TCP/IP important? What would happen if these protocols didn't exist? Choose one layer of the protocol and explain what challenges it seeks to overcome.