

Quizlet 8 version B (5 minutes)

15-110 F24 11/25

AndrewID: _____

Name: _____

These questions do not use concepts beyond week 9.

Fill In The Blank: In each of the following sentences, **clearly** fill in the blanks with the **letter** corresponding to the best term from the list below. Some terms will not be used. No terms will be used more than once.

1. In asymmetric encryption, the __F__ key is used for encoding and is accessible to anyone, while the __I__ key is used for decoding and is kept hidden safely away.
2. In a __H__ attack, adversaries send a huge amount of data to a server within a short period of time. Each small piece of data is known as a __J__.
3. We can write __A__ functions to break large programs into smaller tasks.
4. To communicate with a server, our browser must know the server's __L__ address. The browser looks up this address by contacting a __D__ server, which acts like a phone book.
5. A __K__ is data that confirms that a server owns the website it's claiming to be.

Clearly fill in each blank above with the one letter corresponding to the correct term below:

- | | | | |
|-----------|--------------|---------------|----------------|
| A. helper | D. DNS | G. bottleneck | J. packet |
| B. Caesar | E. symmetric | H. DDOS | K. certificate |
| C. fault | F. public | I. private | L. IP |

Multiple Choice: Imagine an efficient MapReduce task to compute *how many unique words* in a collection of files contain double letters (e.g., "ll" in "hello", or "oo" in "book"). Which of the following would best describe a good **mapper output**. Select only one.

- ☐ The number of unique double-letter words in a single file as an integer
- ☐ The total number of unique double-letter words in all files
- ☐ A single key-value pair describing the frequency of one word with double letters
- ☐ One of the original files
- X ☒ A list of unique words from a single file which contain double letters

Turn your quizlet face-down when you are done!