# Access Control Assignment – Pre-Cracking Questions

CPSC 348 – Computer Security

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| ***Wordlists.*** |  |
| 1. Read this article from Rapid7, [“Brute-Force and Dictionary Attacks”](https://www.rapid7.com/fundamentals/brute-force-and-dictionary-attacks/). In your own words, what is a wordlist? | A wordlist is a list of common phrases and strings that people use as passwords. These are really easy to find thanks to how many times passwords have been leaked. |
| 1. In the Github repo, open the small wordlist. Skim the first 100 or so passwords and tell me which one is your favorite. | changeme is pretty good because the fact that it’s on there means it was never changed. |
| 1. How many lines are in the small wordlist? | There are 3559 lines (including the notes at the top of the file) |
| 1. How many lines are in the large wordlist? | There are 5014958 lines (also including the notes at the top) |
| 1. Read about [some of the wordlists sold by the team at John the Ripper](https://www.openwall.com/wordlists/). (You can stop at “Three good reasons to purchase the wordlists”.) How big is it? How many entries does it have? How many different languages are included? | The full version is almost 500 MB with over 40 million entries. There are also 20+ different languages included |
| 1. Read about [the CrackStation wordlist in short first section of this article, “What's in the list?”](https://crackstation.net/crackstation-wordlist-password-cracking-dictionary.htm). How big is it? How many entries does it have? | This one is 15 GB large with over 1 billion entries (holy crap) |
| ***Word-mangling.*** |  |
| 1. [Read about word-mangling](https://www.tunnelsup.com/getting-started-cracking-password-hashes/). In your own words, what is it? | Word mangling is when you take an entry in a wordlist and append numbers, symbols, changes in case, etc. to obtain more options to try for cracking. |