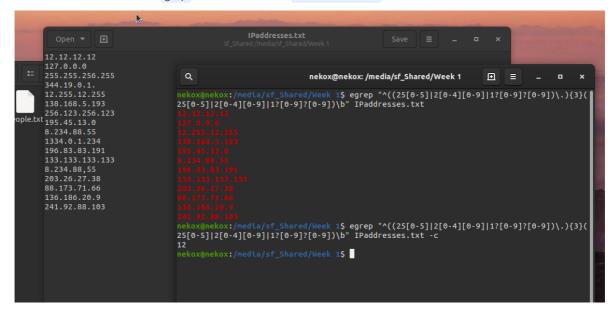
Fundamentals of Data Management

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Past Task 1.1.1

Below is a screenshot of the e grep command used on IPaddresses.txt



The command used is ((25[0-5]|2[0-4][0-9]|1?[0-9]?[0-9])) (3)(25[0-5]|2[0-4][0-9]|1?[0-9])

Breaking it down:

- implies that the search must start at a new line (and therefore a new entry)
- (25[0-5]|2[0-4][0-9]|1?[0-9]?[0-9])\. breaks down into:
 - o 250-255 OR 200-249 OR 0-199 and then a full-stop .
- {3} implies that the above should be run three times exactly, as IP addresses are 0-255.0-255.0-255.0-255
- (25[0-5]|2[0-4][0-9]|1?[0-9]?[0-9]) repeats such that the full-stop is **not** captured
- \b ensures that there is a word break and therefore, there are no additional characters.