query expansion techniques

1. WordNet – Thesaurus-based

This function called after step1 of the search part. After tokenizing the query, we call \_expand () function to add synonyms.

Within \_expand() function, for each token, we call wordnet.synsets(token) to get a set of synonyms. In order to get more precise answers, we use a dictionary to check all synonyms. If they exist in the dictionary, add them to the query.

For example

Given the query *computer science*, after expansion, the result is *calculate computer science skill*.