

# Word Frequency

## Objective

Write a program to fetch a Wikipedia page and report the top n words on that page. The parameters to the program should be 'page\_id' and 'n'.

The URL to fetch a page from Wikipedia is

```
https://en.wikipedia.org/w/api.php?action=query&prop=extracts&pageids=[PAGE ID]&explaintext&format=json
```

(replacing [PAGE ID] with the requested page id).

This returns a JSON object where the page's text is available under query.pages.[PAGE ID].extract and the title under query.pages.[PAGE ID].title.

The output should look like this (where n = 5 and page\_id = 21721040):

URL:

<https://en.wikipedia.org/w/api.php?action=query&prop=extracts&pageids=21721040&explaintext&format=json>

Title: Stack Overflow

Top 5 words:

21 stack, questions

16 overflow

11 that, users

10 site

7 answers, question

When two or more words have the same frequency include them all on the same line separated by a comma.

A word is defined as a sequence of at least four alphabetic characters.

Include unit tests and a README describing how to compile (if necessary) and run your solution.

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