Cleaning and Tokenization

Before implementing any natural language processing algorithm, you might want to clean the data and tokenize it. Here are a few things to keep track of when handling your data.

```
Letter case "The" == "the" == "THE" → lowercase / upper case
Punctuation ,!.? →. "'«»'" → Ø ...!! ???? →.
Numbers 1 2 3 5 8 → Ø 3.14159 90210 → as is/<NUMBER>
Special characters ∇ $ € § ¶ ** → Ø
Special words ♥ #nlp → :happy: #nlp
```

You can clean data using python as follows:

You can add as many conditions as you want in the lines corresponding to the green rectangle above.