# PRACTICAL 4

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# PRACTICE 1 (TEAMWORK)

Build a toy corpus (several sentences about "your ideal other half") of your own, and

▸ write out the equation for n-gram (n=1, 2, 3) probability estimation

▸ calculate all the n-gram (n=1, 2, 3) probabilities for your corpus

▸ calculate the probability (using trigram) of each sentence in your corpus

Any question or finding?

# PRACTICE 1 (TEAMWORK)

‣ You can use this skeleton code to do the calculations.

‣ Download the code, and put this toy corpus file under the same directory with it.

‣ Create a Pycharm project in this directory, and then run it!

# FILE I/O

Read from files: Python reads text in a file line by line

```python
with open (fullpath+filename, 'r') as f:
    for line in f:
        print (line)
```

Try other modes, like 'a'!
What's the difference?

Write to files

```python
with open (fullpath+filename, 'w') as f:
    for i in ['a', 'b', 'c']:
        f.write(i + '\n')
```

# THAT'S IT! CONGRATS!