Plan for today

- Demonstrate dictionaries by a simple application.
  Determine word frequencies in files.

- Discuss future topics that you should learn yourself (not part of exams)

learn file handling from tutorial/reference.

| file .txt |

the quick brown fox jumps over the lazy dog

Produce a dictionary record word frequencies

freq = {
  "the" : 2
  "quick" : 1
  "brown" : 1
  ⋮
}

← only the most common ☑ words be displayed.

&

Indices: words
keys:
value : # occurrences

- Start with the empty dictionary. ✓
- Process text word-by-word. ⊚
- If word is already in dict.
    increment count
  else
    add with count = 1
} ✓

Python tutorial & reference {
- classes. (write your own types)
- exceptions (How you signal errors in your Program?)
- file handling (Deal with files on your system)
- Python modules like sys os ...

read documentation.