

Collections

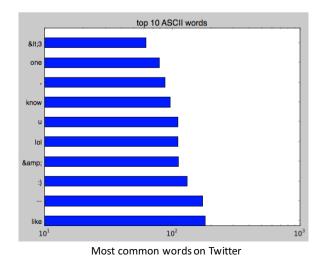
BBM 101 - Introduction to Programming I

Hacettepe University Fall 2016

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Slides based on material prepared by Ruth Anderson, Michael Ernst and Bill Howe in the course CSE 140 University of Washington

Count the Occurrences of Each Word (Make a Histogram)



Count the Words in a Document

Assume you start with a list of words:

"to be or not to be that is the question whether tis nobler in the mind to suffer the slings and arrows of outrageous fortune or to take arms against a sea of troubles and by opposing end them to die to sleep no more".split()

A Collection Groups Similar Things

• List: ordered



• Tuple: unmodifiable list

• Set: unordered, no duplicates

Dictionary: maps from values to values
Example: word → definition





Data Structures

- A data structure is way of organizing data
 - Each data structure makes certain operations convenient or efficient
 - Each data structure makes certain operations inconvenient or inefficient
- Example: What operations are efficient with:
 - a file cabinet sorted by date?
 - a shoe box?

