

Programming fundamentals with Python

Pepe García

2020-04-20

Programming fundamentals with Python

<https://slides.com/pepegar/pfp-7/live>

Plan for today

Understand linear search

Understand binary search

Linear search

Linear search is the most basic form of search in lists. We search from the beginning to the end of the list, one step at a time

Linear search

Binary search

Binary search works by comparing the element we're searching for with the central element in the list and doing the same in the left or right half if the element is smaller or bigger than the central one respectively.

This is the algorithm we use to search a word in the dictionary

Binary search

Binary search