



Key Concepts

Computer Systems



Input and Output



Internet Services



Search Technologies



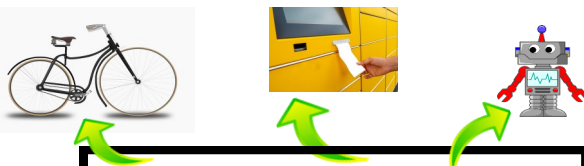
Abstraction



Managing online information

What should I already know?

- What **inputs**, **outputs** and **processes** are, and be able to give some examples.
- What **networks** are and how computers can be connected within and between networks.
- What the **internet** is.
- How to use Google Slides or PowerPoint and how to think about the importance of layout, text and images in a document.



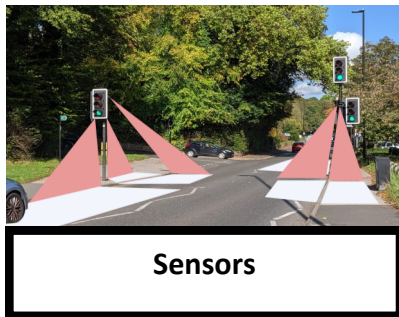
Systems =

A number of things that work together



Bots = index the WWW

Indexes for each search engine are stored in huge data centres



Sensors

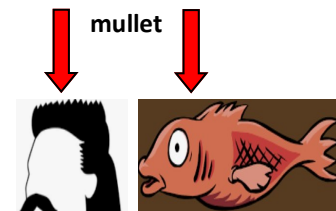
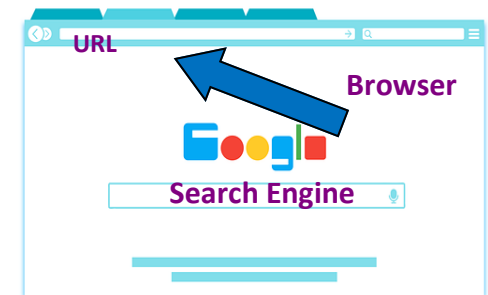
Search engines will provide **different** results for the same search.

Each has its own unique **algorithm**.

Ranking: the process search engines use to order results

Search Engine Optimism (SEO): is applied to websites to help them rank as high as possible.

Some companies pay search engines to rank their websites highly.



REFINE



Sir Tim Berners Lee

1 website

1,900,000,000 websites

1989 WWW

1991

2022