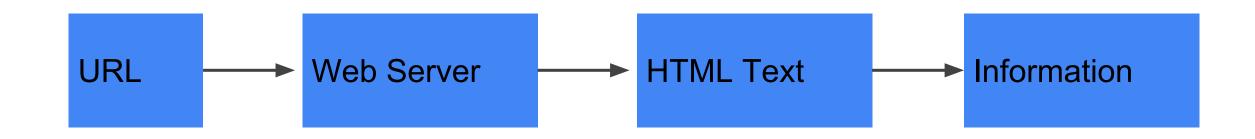
Web Data Crawling

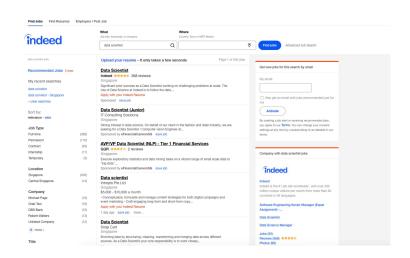


Agenda

- What is HTML
- Hands-On

What is HTML?

- HTML: HyperText Markup Language
 - a computer language that is used to create documents on the World Wide Web
 - simple and logical
 - a mark-up language that uses <Tags> instead of programming language
- All websites over the internet are plain text files that consist of HTML Tags.



```
### CIDITIFE html
whith lange"en" dir="lt;"
whith lange"en;
whith lange en;
whith
```

Tags

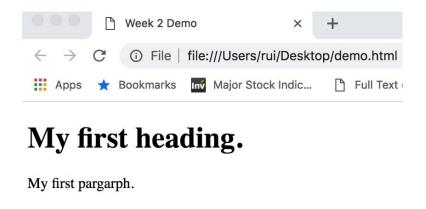
- Tags are instructions to markup the text shown on your Web browser.
- All tags are in the format <Tags>
- Each tag must be accompanied by a closing tag </Tags>
- Elements are made up of two tags (start one and end one) and the element content.

<title>Business Analytics</title>

Toy Example

```
<!DOCTYPE html>
<html>
<head>
<title>Week 2 Demo</title>
</head>
<body>

<h1>My first heading.</h1>
My first pargarph.
</body>
</html>
```



- Browser use HTML tags to decide how to display the document.
 - <html> root element of an HTML page
 - <head> contains elements that are about the document which are not displayed in the page itself. <title> is one of such element
 - <body> is the web page itself
 - <h1> defines a large heading and defines a paragraph

Beautiful Soup

- Beautiful Soup is a Python library for parsing HTML documents (including having malformed markup), whose name is derived more from the unrelated "tag soup".
- Help you pull data out of HTML and XML files.