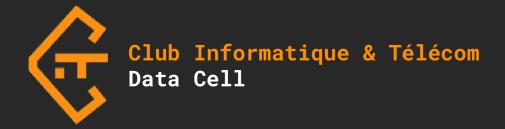


WORKSHOP WEB SCRAPING & AUTOMATION

AYOUB SARAB & YASSINE ERRAKKAS



Web Scraping & Automation

- What Is Web Scraping?
- Pre-requisites
- Hands On Web Scraping



What is Web Scraping ?



Web Crawling vs Web Scraping



Common Libraries for Web Scraping

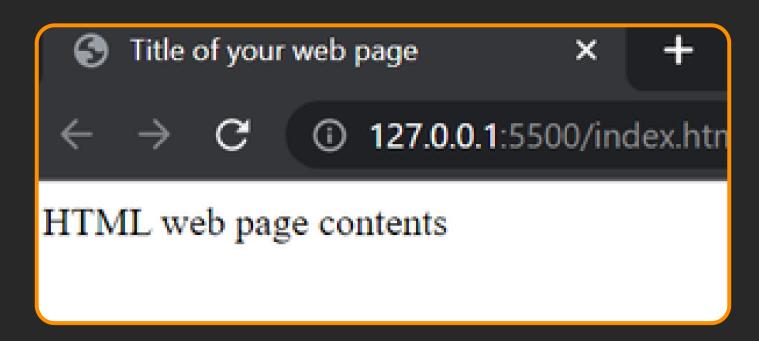


Beautifuloup





code



code

Output

```
<html>
<head>
<title>Data cell Web Page</title>
</head>
<body>
<h1> title 1 </h1>
<h2> title 2 </h2>
<h3> title 3 </h3>
<h4> title 4 </h4>
</body>
</html>
```

title 1

title 2

title 3

title 4

Code

Output

```
<html>
<head>
    <title>Data cell Web Page</title>
</head>
<body>
    <h1>this is a title </h1>
     this is a paragraph 
</body>
</html>
```

this is a title

this is a paragraph

Code

```
<html>
<head>
    <title>Data cell Web Page</title>
</head>
<body>
     visit our <a href="www.datacell.inpt">website</a> to learn more tricks
</body>
</html>
```

Output

visit our website to learn more tricks

code

```
<html>
<head>
    <title>Data cell Web Page</title>
</head>
<body>

        list item 1 
        list item 2 
        list item 3 
        list item 4 
        hist item 4 
    </hr>
```

- list item 1
- list item 2
- list item 3
- list item 4

code

```
<img src="an_image_of_your_choice.png" alt="a text of your choice">
```



code



code

```
<body>
   <div class="div-class" > div tag
                                     </div>
   <div class="div-class" > div tag
                                     </div>
   <div class="div-class" > div tag </div>
   <div class="div-class" > div tag </div>
   <style>
       body{
           display: flex;
       .div-class{
           background-color: ■red;
           text-align: center;
           margin: 1rem;
           padding: 1rem;
           height: 1.5rem;
   </style>
</body>
```



code

```
<body>
    <div class="div-class" > div tag </div>
    <div class="div-class" > div tag </div>
    <div class="div-class" > div tag </div>
    <div class="div-class" id="Y5E6S"> div tag </div>
    <style>
        body{
            display: flex;
        .div-class{
            background-color: ■red;
            text-align: center;
            margin: 1rem;
            padding: 1rem;
            height: 1.5rem;
        #Y5E6S{
            background-color: <a href="mailto:line">line</a> rgb(0, 255, 81);
    </style>
</body>
```



Time to practice!

