Parsing web Data with Python:
Grab what you can

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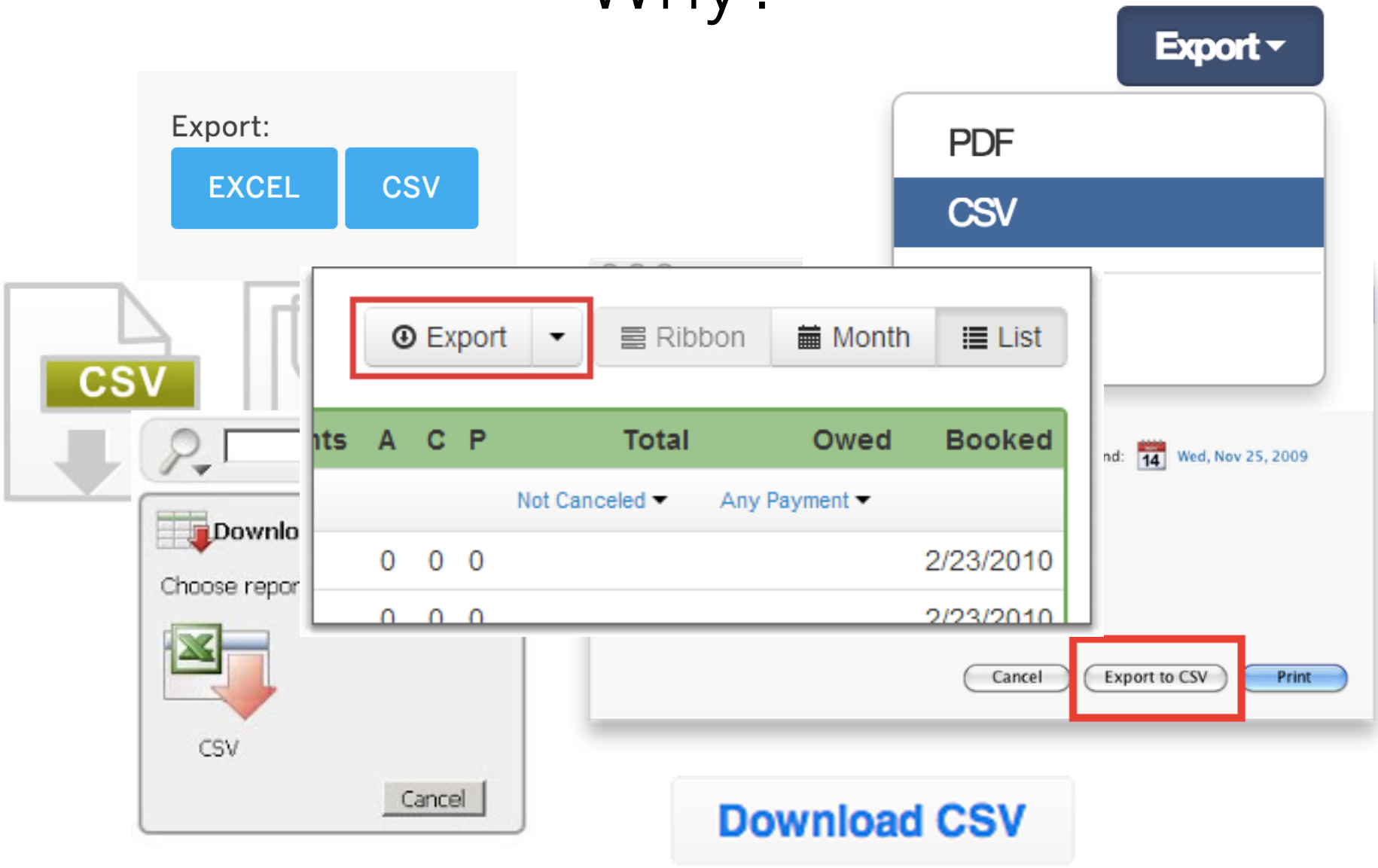
Why?

Why?


Export:
EXCEL
CSV
Export
PDF
CSV
CSV
Export
Ribbon
Month
List
A C P
Total
Owed
Booked
Not Canceled
Any Payment
0 0 0
2/23/2010
Wed, Nov 25, 2009
Choose repor
CSV
Cancel
Cancel
Export to CSV
Print
Download CSV

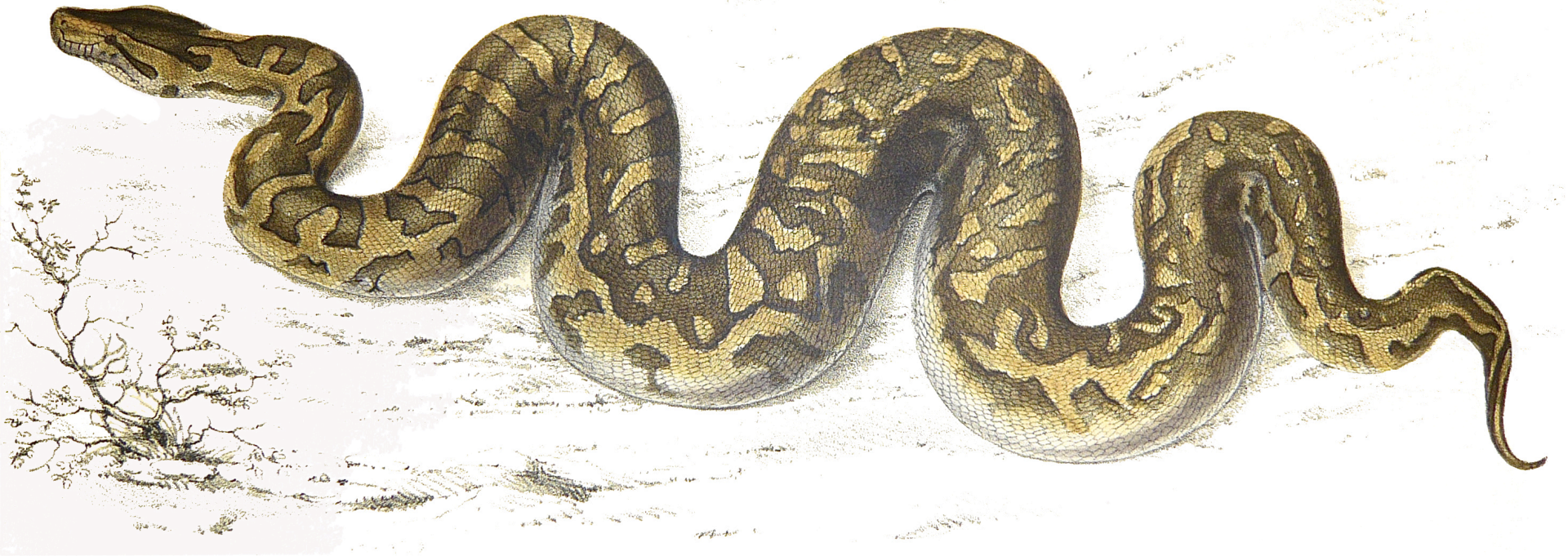
Why?

Cause we can

How?

How?

Of course, Python



How?

And some libraries

Requests

BeautifulSoup

Where?

HTML

```
<section class="showcase news">
<div class="container">
    <h2>
        НОВОСТИ
        <a class="rss-button" href="/export/fast.xml" target="_blank">
            <i class="icon-svg7"></i>
        </a>
    </h2>
</div>
<section class="showcase-container">
                                                <section class="showcase-row">
            <section class="showcase-lines">
                <div class="date-col">
                    <div class="date">
                        <span class="date-content-day">
                            15
                        </span>
                        <span class="date-content-month">
                            октября
                        </span>
                    </div>
                </div>
                <div class="news-col">
                                                    <article class="news-line">
                        <a href="/posts/74934">
                            <div class="line-content">
                                <div class="line-post-label">
                                                                                    11:37
                                                                            </div>
                                <h6 class="line-post-headline ">
                                    Россия и&amp;nbsp;Индия подписали контракт на&amp;nbsp;поставку С-400
                                                                            </h6>
                            </div>
                        </a>
                    </article>
```

HTML

HyperText Markup Language *(HTML)*

is the standard markup language for creating web pages and web applications

HTML

It’s all about tags

HTML

It’s all about tags

HTML5 Tags

The following tags are supported in HTML5 (and/or the WHATWG HTML Living Standard).

<!--...-->
<!DOCTYPE>
<a>
<abbr>
<address>
<area>
<article> (NEW)
<aside> (NEW)
<form>
<h1>
<h2>
<h3>
<h4>
<h5>
<h6>
<head>
<pre>
<progress> (NEW)
<q>
<rb> (NEW)
<rp> (NEW)
<rt> (NEW)
<rtc> (NEW)
<ruby> (NEW)

HTML

It’s all about tags

- The <a> tag is used for creating an a element (also known as an "anchor" element). The a element represents a hyperlink. This is usually a link to another document.
- The <h1>…<h6> tags represent a level 1…6 headings in an HTML document.
- The tag represents its children for the purposes of applying global attributes.
- The tag defines a division or a section in an HTML document
- And so on, and so on…

HTML

How can we use it

HTML

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- Open the site with the data you need

HTML

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- Open the site with the data you need
- Point on the element and go to “inspect element code” mode in your browser

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How can we use it

- Open the site with the data you need
- Point on the element and go to “inspect element code” mode in your browser
- Find the corresponding tags surrounding your data

HTML

How can we use it

- Open the site with the data you need
- Point on the element and go to “inspect element code” mode in your browser
- Find the corresponding tags surrounding your data
- Let the Soup do the job

Lets get down to practice

Lets get down to practice