## **ASSIGNMENT - 9**

Roll No.: 33278

```
import requests
import lxml
import pandas as pd
from bs4 import BeautifulSoup
req = requests.get('https://books.toscrape.com/catalogue/page-1.html')
print(req)
<Response [200]>
soup = BeautifulSoup(req.text, "html.parser")
print(soup.prettify())
<!DOCTYPE html>
<!--[if lt IE 7]>
                       <html lang="en-us" class="no-js lt-ie9 lt-ie8
lt-ie7"> <![endif]-->
                       <html lang="en-us" class="no-js lt-ie9 lt-ie8">
<!--[if IE 7]>
<![endif]-->
<!--[if IE 8]>
                       <html lang="en-us" class="no-js lt-ie9"> <!
[endif]-->
<!--[if qt IE 8]><!-->
<html class="no-js" lang="en-us">
<!--<![endif]-->
<head>
  <title>
  All products | Books to Scrape - Sandbox
  </title>
  <meta content="text/html; charset=utf-8" http-equiv="content-type"/>
  <meta content="24th Jun 2016 09:30" name="created"/>
  <meta content="" name="description"/>
  <meta content="width=device-width" name="viewport"/>
  <meta content="NOARCHIVE,NOCACHE" name="robots"/>
  <!-- Le HTML5 shim, for IE6-8 support of HTML elements -->
  <!--[if lt IE 9]>
        <script
src="//html5shim.googlecode.com/svn/trunk/html5.js"></script>
        <![endif]-->
  <link href="../static/oscar/favicon.ico" rel="shortcut icon"/>
  <link href="../static/oscar/css/styles.css" rel="stylesheet"</pre>
type="text/css"/>
  <link href="../static/oscar/js/bootstrap-datetimepicker/bootstrap-</pre>
datetimepicker.css" rel="stylesheet"/>
  <link href="../static/oscar/css/datetimepicker.css" rel="stylesheet"</pre>
type="text/css"/>
</head>
 <body class="default" id="default">
```

```
<header class="header container-fluid">
<div class="page inner">
 <div class="row">
  <div class="col-sm-8 h1">
   <a href="../index.html">
    Books to Scrape
   </a>
   <small>
    We love being scraped!
   </small>
  </div>
 </div>
</div>
</header>
<div class="container-fluid page">
<div class="page inner">
 <
   <a href="../index.html">
    Home
   </a>
  class="active">
   All products
  <div class="row">
  <aside class="sidebar col-sm-4 col-md-3">
   <div id="promotions left">
   </div>
   <div class="side categories">
    <
      <a href="category/books 1/index.html">
       Books
      </a>
      <
        <a href="category/books/travel 2/index.html">
        Travel
       </a>
       <
        <a href="category/books/mystery 3/index.html">
        Mystery
       </a>
       <
        <a href="category/books/historical-fiction 4/index.html">
```

```
Historical Fiction
</a>
<
 <a href="category/books/sequential-art 5/index.html">
 Sequential Art
</a>
<
<a href="category/books/classics 6/index.html">
 Classics
</a>
<
 <a href="category/books/philosophy_7/index.html">
 Philosophy
</a>
<
 <a href="category/books/romance 8/index.html">
 Romance
</a>
<
<a href="category/books/womens-fiction 9/index.html">
 Womens Fiction
</a>
<
<a href="category/books/fiction 10/index.html">
 Fiction
</a>
<
<a href="category/books/childrens 11/index.html">
 Childrens
</a>
<
<a href="category/books/religion 12/index.html">
 Religion
</a>
<
<a href="category/books/nonfiction 13/index.html">
 Nonfiction
</a>
<
```

```
<a href="category/books/music 14/index.html">
 Music
</a>
<
<a href="category/books/default 15/index.html">
 Default
</a>
<
<a href="category/books/science-fiction 16/index.html">
 Science Fiction
</a>
<
<a href="category/books/sports-and-games 17/index.html">
 Sports and Games
</a>
<
<a href="category/books/add-a-comment 18/index.html">
 Add a comment
</a>
<
<a href="category/books/fantasy 19/index.html">
 Fantasy
</a>
<
<a href="category/books/new-adult 20/index.html">
 New Adult
</a>
<
<a href="category/books/young-adult 21/index.html">
 Young Adult
</a>
<
 <a href="category/books/science 22/index.html">
 Science
</a>
<
 <a href="category/books/poetry_23/index.html">
 Poetry
</a>
```

```
<
<a href="category/books/paranormal 24/index.html">
 Paranormal
</a>
<
<a href="category/books/art 25/index.html">
 Art
</a>
<
<a href="category/books/psychology_26/index.html">
 Psychology
</a>
<
<a href="category/books/autobiography 27/index.html">
 Autobiography
</a>
<
<a href="category/books/parenting 28/index.html">
 Parenting
</a>
<
<a href="category/books/adult-fiction 29/index.html">
 Adult Fiction
</a>
<
<a href="category/books/humor 30/index.html">
 Humor
</a>
<
<a href="category/books/horror 31/index.html">
 Horror
</a>
<
<a href="category/books/history 32/index.html">
 History
</a>
<
<a href="category/books/food-and-drink 33/index.html">
 Food and Drink
</a>
```

```
<
<a href="category/books/christian-fiction 34/index.html">
 Christian Fiction
</a>
<
 <a href="category/books/business 35/index.html">
 Business
</a>
<
 <a href="category/books/biography 36/index.html">
 Biography
</a>
<
 <a href="category/books/thriller_37/index.html">
 Thriller
</a>
<
 <a href="category/books/contemporary 38/index.html">
 Contemporary
</a>
<
 <a href="category/books/spirituality 39/index.html">
 Spirituality
</a>
<
<a href="category/books/academic 40/index.html">
 Academic
</a>
<
 <a href="category/books/self-help 41/index.html">
 Self Help
</a>
<
 <a href="category/books/historical_42/index.html">
 Historical
</a>
<
<a href="category/books/christian 43/index.html">
 Christian
```

```
</a>
    <
     <a href="category/books/suspense 44/index.html">
      Suspense
     </a>
    <
     <a href="category/books/short-stories 45/index.html">
      Short Stories
     </a>
    <
     <a href="category/books/novels 46/index.html">
      Novels
     </a>
    <
     <a href="category/books/health 47/index.html">
      Health
     </a>
    <
     <a href="category/books/politics 48/index.html">
      Politics
     </a>
    <
     <a href="category/books/cultural 49/index.html">
      Cultural
     </a>
    <
     <a href="category/books/erotica 50/index.html">
      Erotica
     </a>
    <
     <a href="category/books/crime 51/index.html">
      Crime
     </a>
    </div>
</aside>
<div class="col-sm-8 col-md-9">
<div class="page-header action">
```

```
<h1>
       All products
      </h1>
     </div>
     <div id="messages">
     </div>
     <div id="promotions">
     </div>
     <form class="form-horizontal" method="get">
      <div style="display:none">
      </div>
      <strong>
       1000
      </strong>
      results - showing
      <strong>
       1
      </strong>
      to
      <strong>
       20
      </strong>
     </form>
     <section>
      <div class="alert alert-warning" role="alert">
       <strong>
        Warning!
       </strong>
       This is a demo website for web scraping purposes. Prices and
ratings here were randomly assigned and have no real meaning.
      </div>
      <div>
       <article class="product pod">
          <div class="image container">
           <a href="a-light-in-the-attic 1000/index.html">
           <img alt="A Light in the Attic" class="thumbnail"</pre>
src="../media/cache/2c/da/2cdad67c44b002e7ead0cc35693c0e8b.jpg"/>
           </a>
          </div>
          <i class="icon-star">
           <i class="icon-star">
           </i>
           <i class="icon-star">
           </i>
```

```
<i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="a-light-in-the-attic 1000/index.html" title="A
Light in the Attic">
           A Light in the ...
          </a>
         </h3>
         <div class="product_price">
          £51.77
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
           </button>
          </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image container">
          <a href="tipping-the-velvet 999/index.html">
           <img alt="Tipping the Velvet" class="thumbnail"</pre>
src="../media/cache/26/0c/260c6ae16bce31c8f8c95daddd9f4a1c.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
```

```
<h3>
          <a href="tipping-the-velvet 999/index.html" title="Tipping"
the Velvet">
           Tipping the Velvet
          </a>
         </h3>
         <div class="product price">
          £53.74
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image container">
          <a href="soumission 998/index.html">
           <img alt="Soumission" class="thumbnail"</pre>
src="../media/cache/3e/ef/3eef99c9d9adef34639f510662022830.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="soumission_998/index.html" title="Soumission">
           Soumission
          </a>
         </h3>
```

```
<div class="product price">
         £50.10
         <q\>
         <i class="icon-ok">
          </i>
          In stock
         <form>
          <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
          </button>
         </form>
        </div>
        </article>
       <article class="product_pod">
        <div class="image container">
         <a href="sharp-objects 997/index.html">
          <img alt="Sharp Objects" class="thumbnail"</pre>
src="../media/cache/32/51/3251cf3a3412f53f339e42cac2134093.jpg"/>
         </a>
        </div>
        <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
        <h3>
         <a href="sharp-objects 997/index.html" title="Sharp"
Objects">
          Sharp Objects
         </a>
        </h3>
        <div class="product price">
         £47.82
         <i class="icon-ok">
```

```
</i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
           </button>
          </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image_container">
href="sapiens-a-brief-history-of-humankind 996/index.html">
           <img alt="Sapiens: A Brief History of Humankind"</pre>
class="thumbnail"
src="../media/cache/be/a5/bea5697f2534a2f86a3ef27b5a8c12a6.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a
href="sapiens-a-brief-history-of-humankind 996/index.html"
title="Sapiens: A Brief History of Humankind">
           Sapiens: A Brief History ...
          </a>
         </h3>
         <div class="product price">
          Ä£54.23
          <i class="icon-ok">
           </i>
           In stock
```

```
<form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image container">
          <a href="the-requiem-red 995/index.html">
           <img alt="The Requiem Red" class="thumbnail"</pre>
src="../media/cache/68/33/68339b4c9bc034267e1da611ab3b34f8.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="the-requiem-red 995/index.html" title="The"
Requiem Red">
           The Requiem Red
          </a>
         </h3>
         <div class="product price">
          £22.65
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
```

```
</button>
          </form>
         </div>
        </article>
        <article class="product_pod">
         <div class="image container">
          <a href="the-dirty-little-secrets-of-getting-your-dream-</pre>
job 994/index.html">
           <img alt="The Dirty Little Secrets of Getting Your Dream"</pre>
Job" class="thumbnail"
src="../media/cache/92/27/92274a95b7c251fea59a2b8a78275ab4.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          <i class="icon-star">
          </i>
         <h3>
          <a href="the-dirty-little-secrets-of-getting-your-dream-</pre>
job 994/index.html" title="The Dirty Little Secrets of Getting Your
Dream Job">
           The Dirty Little Secrets ...
          </a>
         </h3>
         <div class="product price">
          £33.34
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
```

```
</div>
        </article>
        <article class="product pod">
          <div class="image container">
          <a href="the-coming-woman-a-novel-based-on-the-life-of-
the-infamous-feminist-victoria-woodhull 993/index.html">
           <img alt="The Coming Woman: A Novel Based on the Life of</pre>
the Infamous Feminist, Victoria Woodhull" class="thumbnail"
src="../media/cache/3d/54/3d54940e57e662c4dd1f3ff00c78cc64.jpg"/>
          </a>
          </div>
          <i class="icon-star">
          </i>
          <h3>
          <a href="the-coming-woman-a-novel-based-on-the-life-of-</pre>
the-infamous-feminist-victoria-woodhull 993/index.html" title="The
Coming Woman: A Novel Based on the Life of the Infamous Feminist,
Victoria Woodhull">
           The Coming Woman: A ...
          </a>
          </h3>
          <div class="product price">
          £17.93
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
          </div>
```

```
</article>
        <article class="product pod">
          <div class="image container">
          <a href="the-boys-in-the-boat-nine-americans-and-their-</pre>
epic-quest-for-gold-at-the-1936-berlin-olympics 992/index.html">
           <img alt="The Boys in the Boat: Nine Americans and Their</pre>
Epic Quest for Gold at the 1936 Berlin Olympics" class="thumbnail"
src="../media/cache/66/88/66883b91f6804b2323c8369331cb7dd1.jpg"/>
          </a>
          </div>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <h3>
          <a href="the-boys-in-the-boat-nine-americans-and-their-</pre>
epic-quest-for-gold-at-the-1936-berlin-olympics_992/index.html"
title="The Boys in the Boat: Nine Americans and Their Epic Quest for
Gold at the 1936 Berlin Olympics">
           The Boys in the ...
          </a>
          </h3>
          <div class="product price">
          £22.60
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
         </article>
```

```
<article class="product pod">
        <div class="image container">
         <a href="the-black-maria_991/index.html">
          <img alt="The Black Maria" class="thumbnail"</pre>
src="../media/cache/58/46/5846057e28022268153beff6d352b06c.jpg"/>
         </a>
        </div>
        <i class="icon-star">
         <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
         <i class="icon-star">
         <i class="icon-star">
         </i>
        <h3>
         <a href="the-black-maria 991/index.html" title="The Black"
Maria">
          The Black Maria
         </a>
        </h3>
        <div class="product price">
         £52.15
         <i class="icon-ok">
          </i>
          In stock
         <form>
          <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
          </button>
         </form>
        </div>
        </article>
       <article class="product pod">
        <div class="image_container">
         <a
```

```
href="starving-hearts-triangular-trade-trilogy-1 990/index.html">
           <img alt="Starving Hearts (Triangular Trade Trilogy, #1)"</pre>
class="thumbnail"
src="../media/cache/be/f4/bef44da28c98f905a3ebec0b87be8530.jpg"/>
         </div>
         <i class="icon-star">
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a
href="starving-hearts-triangular-trade-trilogy-1 990/index.html"
title="Starving Hearts (Triangular Trade Trilogy, #1)">
           Starving Hearts (Triangular Trade ...
          </a>
         </h3>
         <div class="product price">
          £13.99
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
        </article>
        <article class="product pod">
         <div class="image container">
          <a href="shakespeares-sonnets 989/index.html">
           <img alt="Shakespeare's Sonnets" class="thumbnail"</pre>
src="../media/cache/10/48/1048f63d3b5061cd2f424d20b3f9b666.jpg"/>
```

```
</a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="shakespeares-sonnets 989/index.html"
title="Shakespeare's Sonnets">
          Shakespeare's Sonnets
          </a>
         </h3>
         <div class="product price">
          £20.66
          <i class="icon-ok">
          </i>
          In stock
          <form>
          <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
          </button>
          </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image container">
          <a href="set-me-free 988/index.html">
          <img alt="Set Me Free" class="thumbnail"</pre>
src="../media/cache/5b/88/5b88c52633f53cacf162c15f4f823153.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
```

```
<i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          <i class="icon-star">
          </i>
         <h3>
          <a href="set-me-free_988/index.html" title="Set Me Free">
           Set Me Free
          </a>
         </h3>
         <div class="product price">
          £17.46
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
        </article>
        <article class="product pod">
         <div class="image container">
          <a href="scott-pilgrims-precious-little-life-scott-</pre>
pilgrim-1 987/index.html">
           <img alt="Scott Pilgrim's Precious Little Life (Scott</pre>
Pilgrim #1)" class="thumbnail"
src="../media/cache/94/b1/94b1b8b244bce9677c2f29ccc890d4d2.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
```

```
<i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
         <h3>
         pilgrim-1 987/index.html" title="Scott Pilgrim's Precious Little Life"
(Scott Pilgrim #1)">
          Scott Pilgrim's Precious Little ...
         </a>
         </h3>
         <div class="product_price">
         £52.29
         <i class="icon-ok">
          </i>
          In stock
         <form>
          <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
          </button>
         </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image container">
         <a href="rip-it-up-and-start-again 986/index.html">
          <img alt="Rip it Up and Start Again" class="thumbnail"</pre>
src="../media/cache/81/c4/81c4a973364e17d01f217e1188253d5e.jpg"/>
         </a>
         </div>
         <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
         <i class="icon-star">
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         <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
```

```
<h3>
          <a href="rip-it-up-and-start-again 986/index.html"
title="Rip it Up and Start Again">
           Rip it Up and ...
          </a>
         </h3>
         <div class="product price">
          £35.02
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
        </article>
        <article class="product pod">
         <div class="image container">
          <a href="our-band-could-be-your-life-scenes-from-the-</pre>
american-indie-underground-1981-1991 985/index.html">
           <img alt="Our Band Could Be Your Life: Scenes from the</pre>
American Indie Underground, 1981-1991" class="thumbnail"
src="../media/cache/54/60/54607fe8945897cdcced0044103b10b6.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="our-band-could-be-your-life-scenes-from-the-</pre>
american-indie-underground-1981-1991 985/index.html" title="Our Band
```

```
Could Be Your Life: Scenes from the American Indie Underground, 1981-
1991">
           Our Band Could Be ...
          </a>
         </h3>
         <div class="product price">
          £57.25
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image container">
          <a href="olio 984/index.html">
           <img alt="0lio" class="thumbnail"</pre>
src="../media/cache/55/33/553310a7162dfbc2c6d19a84da0df9e1.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="olio 984/index.html" title="Olio">
           Olio
          </a>
         </h3>
         <div class="product price">
```

```
£23.88
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
           </button>
          </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image container">
          <a href="mesaerion-the-best-science-fiction-stories-1800-
1849 983/index.html">
           <img alt="Mesaerion: The Best Science Fiction Stories</pre>
1800-1849" class="thumbnail"
src="../media/cache/09/a3/09a3aef48557576e1a85ba7efea8ecb7.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
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          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="mesaerion-the-best-science-fiction-stories-1800-</pre>
1849 983/index.html" title="Mesaerion: The Best Science Fiction
Stories 1800-1849">
           Mesaerion: The Best Science ...
          </a>
         </h3>
         <div class="product price">
          £37.59
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          In stock
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           Add to basket
          </button>
          </form>
         </div>
        </article>
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          <img alt="Libertarianism for Beginners" class="thumbnail"</pre>
src="../media/cache/0b/bc/0bbcd0a6f4bcd81ccb1049a52736406e.jpg"/>
          </a>
         </div>
         <i class="icon-star">
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          <i class="icon-star">
          </i>
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          </i>
          <i class="icon-star">
          <i class="icon-star">
          </i>
         <h3>
          <a href="libertarianism-for-beginners 982/index.html"
title="Libertarianism for Beginners">
          Libertarianism for Beginners
          </a>
         </h3>
         <div class="product price">
          Ä£51.33
          <i class="icon-ok">
          </i>
          In stock
```

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<form>
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text="Adding..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
        </article>
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           <img alt="It's Only the Himalayas" class="thumbnail"</pre>
src="../media/cache/27/a5/27a53d0bb95bdd88288eaf66c9230d7e.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
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          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="its-only-the-himalayas 981/index.html"</pre>
title="It's Only the Himalayas">
           It's Only the Himalayas
          </a>
         </h3>
         <div class="product price">
          £45.17
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
            Add to basket
```

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</button>
           </form>
          </div>
         </article>
        <div>
         class="current">
          Page 1 of 50
         class="next">
           <a href="page-2.html">
           next
          </a>
         </div>
       </div>
     </section>
    </div>
   </div>
   <!-- /row -->
   </div>
   <!-- /page inner -->
  </div>
  <!-- /container-fluid -->
  <footer class="footer container-fluid">
  </footer>
  <!-- jQuery -->
  <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min.js">
  </script>
  <script>
  window.jQuery || document.write('<script</pre>
src="../static/oscar/js/jquery/jquery-1.9.1.min.js"><\/script>')
  </script>
  <!-- Twitter Bootstrap -->
  <script src="../static/oscar/js/bootstrap3/bootstrap.min.js"</pre>
type="text/javascript">
  </script>
 <!-- Oscar -->
  <script charset="utf-8" src="../static/oscar/js/oscar/ui.js"</pre>
type="text/javascript">
  </script>
  <script charset="utf-8" src="../static/oscar/js/bootstrap-</pre>
datetimepicker/bootstrap-datetimepicker.js" type="text/javascript">
  </script>
  <script charset="utf-8" src="../static/oscar/js/bootstrap-</pre>
```

```
datetimepicker/locales/bootstrap-datetimepicker.all.js"
type="text/javascript">
 </script>
 <script type="text/javascript">
  $(function() {
oscar.init();
oscar.search.init();
          });
 </script>
 <!-- Version: N/A -->
</body>
</html>
soup.select('article')
[<article class="product pod">
<div class="image container">
<a href="a-light-in-the-attic 1000/index.html"><img alt="A Light in
the Attic" class="thumbnail"
src="../media/cache/2c/da/2cdad67c44b002e7ead0cc35693c0e8b.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="a-light-in-the-attic 1000/index.html" title="A Light in
the Attic">A Light in the ...</a></h3>
<div class="product price">
£51.77
<i class="icon-ok"></i>
        In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>,
```

```
<article class="product pod">
<div class="image container">
<a href="tipping-the-velvet 999/index.html"><img alt="Tipping the">
Velvet" class="thumbnail"
src="../media/cache/26/0c/260c6ae16bce31c8f8c95daddd9f4a1c.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="tipping-the-velvet 999/index.html" title="Tipping the
Velvet">Tipping the Velvet</a></h3>
<div class="product price">
£53.74
<i class="icon-ok"></i>
       In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>,
<article class="product pod">
<div class="image container">
<a href="soumission 998/index.html"><img alt="Soumission"</pre>
class="thumbnail"
src="../media/cache/3e/ef/3eef99c9d9adef34639f510662022830.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="soumission 998/index.html"
title="Soumission">Soumission</a></h3>
<div class="product price">
£50.10
<i class="icon-ok"></i>
```

```
In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
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</article>,
<article class="product pod">
<div class="image container">
<a href="sharp-objects 997/index.html"><img alt="Sharp Objects"</pre>
class="thumbnail"
src="../media/cache/32/51/3251cf3a3412f53f339e42cac2134093.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<q\>
<h3><a href="sharp-objects 997/index.html" title="Sharp"
Objects">Sharp Objects</a></h3>
<div class="product price">
£47.82
<i class="icon-ok"></i>
        In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>,
<article class="product pod">
<div class="image container">
<a href="sapiens-a-brief-history-of-humankind 996/index.html"><imq</pre>
alt="Sapiens: A Brief History of Humankind" class="thumbnail"
src="../media/cache/be/a5/bea5697f2534a2f86a3ef27b5a8c12a6.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
```

```
<i class="icon-star"></i>
<h3><a href="sapiens-a-brief-history-of-humankind 996/index.html"
title="Sapiens: A Brief History of Humankind">Sapiens: A Brief History
...</a></h3>
<div class="product price">
£54.23
<i class="icon-ok"></i>
       In stock
<form>
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text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>,
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<div class="image container">
<a href="the-requiem-red 995/index.html"><imq alt="The Requiem Red"</pre>
class="thumbnail"
src="../media/cache/68/33/68339b4c9bc034267e1da611ab3b34f8.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="the-requiem-red 995/index.html" title="The Requiem"
Red">The Requiem Red</a></h3>
<div class="product price">
£22.65
<i class="icon-ok"></i>
       In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>,
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```
<div class="image container">
href="the-dirty-little-secrets-of-getting-your-dream-job 994/index.htm"
l"><img alt="The Dirty Little Secrets of Getting Your Dream Job"
class="thumbnail"
src="../media/cache/92/27/92274a95b7c251fea59a2b8a78275ab4.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a
href="the-dirty-little-secrets-of-getting-your-dream-job 994/index.htm"
l" title="The Dirty Little Secrets of Getting Your Dream Job">The
Dirty Little Secrets ...</a></h3>
<div class="product price">
£33.34
<i class="icon-ok"></i>
        In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
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<div class="image container">
<a href="the-coming-woman-a-novel-based-on-the-life-of-the-infamous-</pre>
feminist-victoria-woodhull 993/index.html"><img alt="The Coming Woman:
A Novel Based on the Life of the Infamous Feminist, Victoria Woodhull"
class="thumbnail"
src="../media/cache/3d/54/3d54940e57e662c4dd1f3ff00c78cc64.jpg"/></a>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="the-coming-woman-a-novel-based-on-the-life-of-the-
infamous-feminist-victoria-woodhull 993/index.html" title="The Coming"
```

```
Woman: A Novel Based on the Life of the Infamous Feminist, Victoria
Woodhull">The Coming Woman: A ...</a></h3>
<div class="product price">
£17.93
<i class="icon-ok"></i>
        In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
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<article class="product pod">
<div class="image container">
<a href="the-boys-in-the-boat-nine-americans-and-their-epic-quest-</pre>
for-gold-at-the-1936-berlin-olympics 992/index.html"><img alt="The"</pre>
Boys in the Boat: Nine Americans and Their Epic Quest for Gold at the
1936 Berlin Olympics" class="thumbnail"
src="../media/cache/66/88/66883b91f6804b2323c8369331cb7dd1.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="the-boys-in-the-boat-nine-americans-and-their-epic-
quest-for-gold-at-the-1936-berlin-olympics 992/index.html" title="The
Boys in the Boat: Nine Americans and Their Epic Quest for Gold at the
1936 Berlin Olympics">The Boys in the ...</a></h3>
<div class="product price">
£22.60
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        In stock
<form>
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text="Adding..." type="submit">Add to basket</button>
</form>
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class="thumbnail"
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</div>
<i class="icon-star"></i>
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<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="the-black-maria 991/index.html" title="The Black
Maria">The Black Maria</a></h3>
<div class="product price">
£52.15
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text="Adding..." type="submit">Add to basket</button>
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</article>,
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alt="Starving Hearts (Triangular Trade Trilogy, \overline{\#}1)" class="thumbnail"
src="../media/cache/be/f4/bef44da28c98f905a3ebec0b87be8530.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a
href="starving-hearts-triangular-trade-trilogy-1 990/index.html"
title="Starving Hearts (Triangular Trade Trilogy, #1)">Starving Hearts
(Triangular Trade ...</a></h3>
<div class="product price">
£13.99
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```
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       In stock
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<button class="btn btn-primary btn-block" data-loading-</pre>
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</form>
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</article>,
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Sonnets" class="thumbnail"
src="../media/cache/10/48/1048f63d3b5061cd2f424d20b3f9b666.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="shakespeares-sonnets 989/index.html"
title="Shakespeare's Sonnets">Shakespeare's Sonnets</a></h3>
<div class="product price">
£20.66
<i class="icon-ok"></i>
       In stock
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class="thumbnail"
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</div>
<i class="icon-star"></i>
```

```
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</n>
<h3><a href="set-me-free 988/index.html" title="Set Me Free">Set Me
Free</a></h3>
<div class="product price">
Af17.46
<i class="icon-ok"></i>
        In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
 </form>
</div>
</article>,
<article class="product pod">
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href="scott-pilgrims-precious-little-life-scott-pilgrim-1 987/index.ht
ml"><img alt="Scott Pilgrim's Precious Little Life (Scott Pilgrim #1)"
class="thumbnail"
src="../media/cache/94/b1/94b1b8b244bce9677c2f29ccc890d4d2.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<q\>
<h3><a href="scott-pilgrims-precious-little-life-scott-pilgrim-
1 987/index.html" title="Scott Pilgrim's Precious Little Life (Scott
Pilgrim #1)">Scott Pilgrim's Precious Little ...</a></h3>
<div class="product price">
£52.29
<i class="icon-ok"></i>
        In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
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text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>.
<article class="product pod">
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<a href="rip-it-up-and-start-again 986/index.html"><img alt="Rip it
Up and Start Again" class="thumbnail"
src="../media/cache/81/c4/81c4a973364e17d01f217e1188253d5e.jpg"/></a>
</div>
<i class="icon-star"></i>
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<i class="icon-star"></i>
<q\>
<h3><a href="rip-it-up-and-start-again_986/index.html" title="Rip it"
Up and Start Again">Rip it Up and ...</a></h3>
<div class="product price">
£35.02
<i class="icon-ok"></i>
        In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
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underground-1981-1991 985/index.html"><img alt="Our Band Could Be Your
Life: Scenes from the American Indie Underground, 1981-1991"
class="thumbnail"
src="../media/cache/54/60/54607fe8945897cdcced0044103b10b6.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="our-band-could-be-your-life-scenes-from-the-american-
```

```
indie-underground-1981-1991 985/index.html" title="Our Band Could Be
Your Life: Scenes from the American Indie Underground, 1981-1991">Our
Band Could Be ...</a></h3>
<div class="product price">
£57.25
<i class="icon-ok"></i>
        In stock
<form>
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text="Adding..." type="submit">Add to basket</button>
</form>
</div>
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<article class="product_pod">
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<a href="olio 984/index.html"><img alt="Olio" class="thumbnail"</pre>
src="../media/cache/55/33/553310a7162dfbc2c6d19a84da0df9e1.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<q\>
<h3><a href="olio 984/index.html" title="0lio">0lio</a></h3>
<div class="product price">
£23.88
<i class="icon-ok"></i>
        In stock
<q\>
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>,
<article class="product pod">
<div class="image container">
href="mesaerion-the-best-science-fiction-stories-1800-1849 983/index.h
tml"><img alt="Mesaerion: The Best Science Fiction Stories 1800-1849"
class="thumbnail"
```

```
src="../media/cache/09/a3/09a3aef48557576e1a85ba7efea8ecb7.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="mesaerion-the-best-science-fiction-stories-1800-
1849 983/index.html" title="Mesaerion: The Best Science Fiction
Stories 1800-1849">Mesaerion: The Best Science ...</a></h3>
<div class="product price">
£37.59
<i class="icon-ok"></i>
       In stock
<q\>
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>,
<article class="product pod">
<div class="image container">
<a href="libertarianism-for-beginners_982/index.html"><img
alt="Libertarianism for Beginners" class="thumbnail"
src="../media/cache/0b/bc/0bbcd0a6f4bcd81ccb1049a52736406e.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<q\>
<h3><a href="libertarianism-for-beginners 982/index.html"
title="Libertarianism for Beginners">Libertarianism for
Beginners</a></h3>
<div class="product price">
£51.33
<i class="icon-ok"></i>
       In stock
```

```
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
 </form>
</div>
</article>,
<article class="product pod">
<div class="image container">
<a href="its-only-the-himalayas 981/index.html"><img alt="It's Only</pre>
the Himalayas" class="thumbnail"
src="../media/cache/27/a5/27a53d0bb95bdd88288eaf66c9230d7e.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<q\>
<h3><a href="its-only-the-himalayas 981/index.html" title="It's Only
the Himalayas">It's Only the Himalayas</a></h3>
<div class="product price">
£45.17
<i class="icon-ok"></i>
        In stock
<form>
<button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>1
soup.select('article h3 a')
[<a href="a-light-in-the-attic_1000/index.html" title="A Light in the</pre>
Attic">A Light in the ...</a>,
<a href="tipping-the-velvet 999/index.html" title="Tipping the"</pre>
Velvet">Tipping the Velvet</a>,
<a href="soumission 998/index.html"
title="Soumission">Soumission</a>,
<a href="sharp-objects_997/index.html" title="Sharp Objects">Sharp
Obiects</a>.
<a href="sapiens-a-brief-history-of-humankind 996/index.html"</pre>
title="Sapiens: A Brief History of Humankind">Sapiens: A Brief History
...</a>,
```

```
<a href="the-requiem-red 995/index.html" title="The Requiem Red">The
Requiem Red</a>,
<a
href="the-dirty-little-secrets-of-getting-your-dream-job 994/index.htm"
l" title="The Dirty Little Secrets of Getting Your Dream Job">The
Dirty Little Secrets ...</a>,
<a href="the-coming-woman-a-novel-based-on-the-life-of-the-infamous-</pre>
feminist-victoria-woodhull 993/index.html" title="The Coming Woman: A
Novel Based on the Life of the Infamous Feminist, Victoria
Woodhull">The Coming Woman: A ...</a>,
<a href="the-boys-in-the-boat-nine-americans-and-their-epic-quest-</pre>
for-gold-at-the-1936-berlin-olympics 992/index.html" title="The Boys
in the Boat: Nine Americans and Their Epic Quest for Gold at the 1936
Berlin Olympics">The Boys in the ...</a>,
<a href="the-black-maria 991/index.html" title="The Black Maria">The
Black Maria</a>,
 <a href="starving-hearts-triangular-trade-trilogy-1 990/index.html"</pre>
title="Starving Hearts (Triangular Trade Trilogy, #1)">Starving Hearts
(Triangular Trade ...</a>,
<a href="shakespeares-sonnets 989/index.html" title="Shakespeare's"</pre>
Sonnets">Shakespeare's Sonnets</a>,
 <a href="set-me-free 988/index.html" title="Set Me Free">Set Me
Free</a>,
href="scott-pilgrims-precious-little-life-scott-pilgrim-1 987/index.ht"
ml" title="Scott Pilgrim's Precious Little Life (Scott Pilgrim
#1)">Scott Pilgrim's Precious Little ...</a>,
<a href="rip-it-up-and-start-again 986/index.html" title="Rip it Up"
and Start Again">Rip it Up and ...</a>,
<a href="our-band-could-be-your-life-scenes-from-the-american-indie-</pre>
underground-1981-1991 985/index.html" title="Our Band Could Be Your
Life: Scenes from the American Indie Underground, 1981-1991">Our Band
Could Be ...</a>,
<a href="olio 984/index.html" title="0lio">0lio</a>,
href="mesaerion-the-best-science-fiction-stories-1800-1849 983/index.h
tml" title="Mesaerion: The Best Science Fiction Stories 1800-
1849">Mesaerion: The Best Science ...</a>.
<a href="libertarianism-for-beginners 982/index.html"</pre>
title="Libertarianism for Beginners">Libertarianism for Beginners</a>,
<a href="its-only-the-himalayas 981/index.html" title="It's Only the
Himalayas">It's Only the Himalayas</a>]
len(soup.select('article h3 a'))
20
soup.select('article h3 a')
```

```
[<a href="a-light-in-the-attic 1000/index.html" title="A Light in the</pre>
Attic">A Light in the ...</a>,
 <a href="tipping-the-velvet 999/index.html" title="Tipping the</pre>
Velvet">Tipping the Velvet</a>,
<a href="soumission 998/index.html"
title="Soumission">Soumission</a>,
<a href="sharp-objects 997/index.html" title="Sharp Objects">Sharp
Obiects</a>.
 <a href="sapiens-a-brief-history-of-humankind 996/index.html"</pre>
title="Sapiens: A Brief History of Humankind">Sapiens: A Brief History
...</a>,
<a href="the-requiem-red 995/index.html" title="The Requiem Red">The
Requiem Red</a>,
href="the-dirty-little-secrets-of-getting-your-dream-job 994/index.htm"
l" title="The Dirty Little Secrets of Getting Your Dream Job">The
Dirty Little Secrets ...</a>,
 <a href="the-coming-woman-a-novel-based-on-the-life-of-the-infamous-</pre>
feminist-victoria-woodhull 993/index.html" title="The Coming Woman: A
Novel Based on the Life of the Infamous Feminist, Victoria
Woodhull">The Coming Woman: A ...</a>,
<a href="the-boys-in-the-boat-nine-americans-and-their-epic-quest-</pre>
for-gold-at-the-1936-berlin-olympics 992/index.html" title="The Boys
in the Boat: Nine Americans and Their Epic Quest for Gold at the 1936
Berlin Olympics">The Boys in the ...</a>,
 <a href="the-black-maria 991/index.html" title="The Black Maria">The
Black Maria</a>,
 <a href="starving-hearts-triangular-trade-trilogy-1 990/index.html"</pre>
title="Starving Hearts (Triangular Trade Trilogy, #1)">Starving Hearts
(Triangular Trade ...</a>,
<a href="shakespeares-sonnets 989/index.html" title="Shakespeare's"</pre>
Sonnets">Shakespeare's Sonnets</a>,
<a href="set-me-free 988/index.html" title="Set Me Free">Set Me
Free</a>,
<a
href="scott-pilgrims-precious-little-life-scott-pilgrim-1 987/index.ht
ml" title="Scott Pilgrim's Precious Little Life (Scott Pilgrim
#1)">Scott Pilgrim's Precious Little ...</a>,
<a href="rip-it-up-and-start-again 986/index.html" title="Rip it Up"
and Start Again">Rip it Up and ...</a>,
 <a href="our-band-could-be-your-life-scenes-from-the-american-indie-</pre>
underground-1981-1991_985/index.html" title="Our Band Could Be Your
Life: Scenes from the American Indie Underground, 1981-1991">Our Band
Could Be ...</a>,
<a href="olio 984/index.html" title="0lio">0lio</a>,
href="mesaerion-the-best-science-fiction-stories-1800-1849 983/index.h
tml" title="Mesaerion: The Best Science Fiction Stories 1800-
1849">Mesaerion: The Best Science ...</a>,
<a href="libertarianism-for-beginners 982/index.html"
```

```
title="Libertarianism for Beginners">Libertarianism for Beginners</a>,
<a href="its-only-the-himalayas 981/index.html" title="It's Only the
Himalayas">It's Only the Himalayas</a>]
soup.select('article h3 a')[0]
<a href="a-light-in-the-attic 1000/index.html" title="A Light in the
Attic">A Light in the ...</a>
soup.select('article h3 a')[0]['title']
'A Light in the Attic'
soup.select('article p')
[
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£51.77,
<i class="icon-ok"></i>
       In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£53.74,
<i class="icon-ok"></i>
       In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
£50.10,
```

```
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£47.82,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
£54.23,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£22.65,
<i class="icon-ok"></i>
     In stock
,
```

```
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
£33.34,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£17.93,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£22.60,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£52.15,
```

```
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£13.99,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
£20.66,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£17.46,
<i class="icon-ok"></i>
     In stock
,
```

```
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
£52.29,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£35.02,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£57.25,
<i class="icon-ok"></i>
     In stock
,
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<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£23.88,
```

```
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£37.59,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
£51.33,
<i class="icon-ok"></i>
     In stock
,
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
,
£45.17,
<i class="icon-ok"></i>
     In stock
]
soup.select('article p')[0]
```

```
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
soup.select('article p')[0]['class']
['star-rating', 'Three']
soup.select('article p')[1]
£51.77
soup.select('article p')[1]
£51.77
soup.select('article p')[1].string
'£51.77'
soup.select('article p')[1].string.replace('£','')
'51.77'
title list = []
rating list = []
price list = []
for pg num in range(1, 51):
   url = f'https://books.toscrape.com/catalogue/page-{pg num}.html'
   req = requests.get(url)
   # Parse the page using BeautifulSoup
   soup pg = BeautifulSoup(req.text, 'html.parser')
   # Extract book titles
   for item in soup pg.select('article h3 a'):
       title list.append(item['title'])
   # Extract book ratings
   for n in range(0, len(soup pg.select('article p')), 3):
       rating list.append(soup pg.select('article p')[n]['class'][1])
   # Extract book prices
   for n in range(1, len(soup_pg.select('article p')), 3):
       price list.append(soup_pg.select('article p')
[n].string.replace('Âf', 'f'))
```

```
# Print results
print(title list[:5]) # First 5 titles
print(rating_list[:5]) # First 5 ratings
print(price list[:5]) # First 5 prices
['A Light in the Attic', 'Tipping the Velvet', 'Soumission', 'Sharp
Objects', 'Sapiens: A Brief History of Humankind']
         'One', 'One', 'Four', 'Five']
['£51.77', '£53.74', '£50.10', '£47.82', '£54.23']
# price list
print(title list[:5]) # First 5 titles
print(rating_list[:5]) # First 5 ratings
print(price list[:5]) # First 5 prices
['A Light in the Attic', 'Tipping the Velvet', 'Soumission', 'Sharp
Objects', 'Sapiens: A Brief History of Humankind']
         'One', 'One', 'Four', 'Five']
['£51.77', '£53.74', '£50.10', '£47.82', '£54.23']
dic = dict(zip(title list,zip(rating list, price list)))
df = pd.DataFrame.from dict(dic, orient='index')
df
                                                        0
                                                    Three £51.77
A Light in the Attic
                                                      One £53.74
Tipping the Velvet
Soumission
                                                      One £50.10
Sharp Objects
                                                     Four £47.82
Sapiens: A Brief History of Humankind
                                                     Five £54.23
                                                              . . .
Alice in Wonderland (Alice's Adventures in Wond...
                                                      One £55.53
Ajin: Demi-Human, Volume 1 (Ajin: Demi-Human #1)
                                                     Four £57.06
A Spy's Devotion (The Regency Spies of London #1)
                                                     Five £16.97
1st to Die (Women's Murder Club #1)
                                                      One £53.98
1,000 Places to See Before You Die
                                                     Five £26.08
[999 rows x 2 columns]
# we already know the url
soup.select('article h3 a')
[<a href="a-light-in-the-attic 1000/index.html" title="A Light in the
Attic">A Light in the ...</a>,
 <a href="tipping-the-velvet 999/index.html" title="Tipping the"
Velvet">Tipping the Velvet</a>,
 <a href="soumission 998/index.html"
title="Soumission">Soumission</a>,
 <a href="sharp-objects 997/index.html" title="Sharp Objects">Sharp
Objects</a>,
 <a href="sapiens-a-brief-history-of-humankind 996/index.html"</pre>
```

```
title="Sapiens: A Brief History of Humankind">Sapiens: A Brief History
...</a>,
<a href="the-requiem-red 995/index.html" title="The Requiem Red">The
Requiem Red</a>.
<a
href="the-dirty-little-secrets-of-getting-your-dream-job 994/index.htm"
l" title="The Dirty Little Secrets of Getting Your Dream Job">The
Dirty Little Secrets ...</a>.
 <a href="the-coming-woman-a-novel-based-on-the-life-of-the-infamous-</pre>
feminist-victoria-woodhull 993/index.html" title="The Coming Woman: A
Novel Based on the Life of the Infamous Feminist, Victoria
Woodhull">The Coming Woman: A ...</a>,
<a href="the-boys-in-the-boat-nine-americans-and-their-epic-quest-</pre>
for-gold-at-the-1936-berlin-olympics 992/index.html" title="The Boys
in the Boat: Nine Americans and Their Epic Quest for Gold at the 1936
Berlin Olympics">The Boys in the ...</a>,
<a href="the-black-maria_991/index.html" title="The Black Maria">The
Black Maria</a>,
<a href="starving-hearts-triangular-trade-trilogy-1 990/index.html"</pre>
title="Starving Hearts (Triangular Trade Trilogy, #1)">Starving Hearts
(Triangular Trade ...</a>,
<a href="shakespeares-sonnets 989/index.html" title="Shakespeare's"</pre>
Sonnets">Shakespeare's Sonnets</a>,
<a href="set-me-free 988/index.html" title="Set Me Free">Set Me
Free</a>,
<a
href="scott-pilgrims-precious-little-life-scott-pilgrim-1 987/index.ht
ml" title="Scott Pilgrim's Precious Little Life (Scott Pilgrim
#1)">Scott Pilgrim's Precious Little ...</a>,
<a href="rip-it-up-and-start-again 986/index.html" title="Rip it Up"
and Start Again">Rip it Up and ...</a>,
 <a href="our-band-could-be-your-life-scenes-from-the-american-indie-</pre>
underground-1981-1991 985/index.html" title="Our Band Could Be Your
Life: Scenes from the American Indie Underground, 1981-1991">Our Band
Could Be ...</a>,
<a href="olio 984/index.html" title="0lio">0lio</a>,
href="mesaerion-the-best-science-fiction-stories-1800-1849 983/index.h
tml" title="Mesaerion: The Best Science Fiction Stories 1800-
1849">Mesaerion: The Best Science ...</a>,
<a href="libertarianism-for-beginners 982/index.html"
title="Libertarianism for Beginners">Libertarianism for Beginners</a>,
<a href="its-only-the-himalayas 981/index.html" title="It's Only the
Himalayas">It's Only the Himalayas</a>]
nreq= requests.get('https://books.toscrape.com/catalogue/in-her-
wake 980/index.html')
nsoup = BeautifulSoup(nreq.text, "html.parser")
print(nsoup.prettify())
```

```
<!DOCTYPE html>
                       <html lang="en-us" class="no-js lt-ie9 lt-ie8
<!--[if lt IE 7]>
lt-ie7"> <![endif]-->
<!--[if IE 7]>
                       <html lang="en-us" class="no-js lt-ie9 lt-ie8">
<![endifl-->
<!--[if IE 8]>
                       <html lang="en-us" class="no-js lt-ie9"> <!
[endif]-->
<!--[if qt IE 8]><!-->
<html class="no-js" lang="en-us">
<!--<![endif]-->
 <head>
  <title>
   In Her Wake | Books to Scrape - Sandbox
  <meta content="text/html; charset=utf-8" http-equiv="content-type"/>
  <meta content="24th Jun 2016 09:30" name="created"/>
  <meta content="
    A perfect life â(¦ until she discovered it wasnâ(t her own.A tragic
family event reveals devastating news that rips apart Bellaâ(s
comfortable existence. Embarking on a personal journey to uncover the
truth, she faces a series of traumatic discoveries that take her to
the ruggedly beautiful Cornish coast, where hidden truths, past
betrayals and a 25-year-old mystery threaten n A perfect life â(
until she discovered it wasnâ(t her own.A tragic family event reveals
devastating news that rips apart Bellaâ(s comfortable existence.
Embarking on a personal journey to uncover the truth, she faces a
series of traumatic discoveries that take her to the ruggedly
beautiful Cornish coast, where hidden truths, past betrayals and a 25-
year-old mystery threaten not just her identity, but also her
life.Chilling, complex and profoundly moving, In Her Wake is a
gripping psychological thriller that questions the nature of family â(
and reminds us that sometimes the most shocking crimes are committed
closest to home. ...more
" name="description"/>
 <meta content="width=device-width" name="viewport"/>
  <meta content="NOARCHIVE,NOCACHE" name="robots"/>
 <!-- Le HTML5 shim, for IE6-8 support of HTML elements -->
  <!--[if lt IE 9]>
        <script
src="//html5shim.googlecode.com/svn/trunk/html5.js"></script>
        <![endifl-->
  <link href="../../static/oscar/favicon.ico" rel="shortcut icon"/>
  <link href="../../static/oscar/css/styles.css" rel="stylesheet"</pre>
type="text/css"/>
href="../../static/oscar/js/bootstrap-datetimepicker/bootstrap-
datetimepicker.css" rel="stylesheet"/>
  <link href="../../static/oscar/css/datetimepicker.css"</pre>
rel="stylesheet" type="text/css"/>
</head>
```

```
<body class="default" id="default">
<header class="header container-fluid">
 <div class="page inner">
  <div class="row">
   <div class="col-sm-8 h1">
    <a href="../../index.html">
     Books to Scrape
    </a>
    <small>
     We love being scraped!
    </small>
   </div>
  </div>
 </div>
</header>
<div class="container-fluid page">
 <div class="page inner">
  <a href="../../index.html">
     Home
    </a>
   <a href="../category/books 1/index.html">
     Books
    </a>
   <
    <a href="../category/books/thriller 37/index.html">
     Thriller
    </a>
   class="active">
    In Her Wake
   <div id="messages">
  </div>
  <div class="content">
   <div id="promotions">
   </div>
   <div id="content inner">
    <article class="product_page">
     <!-- Start of product page -->
     <div class="row">
      <div class="col-sm-6">
       <div class="carousel" id="product gallery">
        <div class="thumbnail">
         <div class="carousel-inner">
```

```
<div class="item active">
           <img alt="In Her Wake"</pre>
src="../../media/cache/27/92/2792ef951651ff1eae40a410cac41e0f.jpg"/>
          </div>
          </div>
         </div>
        </div>
       </div>
       <div class="col-sm-6 product main">
         In Her Wake
        </h1>
        £12.84
        <i class="icon-ok">
         </i>
         In stock (19 available)
        <i class="icon-star">
         </i>
         <i class="icon-star">
         <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
         <!-- <small><a href="/catalogue/in-her-wake 980/reviews/">
                  0 customer reviews
       </a></small>
        - ->
         <!--
   <a id="write review"
href="/catalogue/in-her-wake_980/reviews/add/#addreview" class="btn"
btn-success btn-sm">
       Write a review
</a>
 -->
        <hr/>
        <div class="alert alert-warning" role="alert">
         <strong>
```

```
Warning!
         </strong>
         This is a demo website for web scraping purposes. Prices and
ratings here were randomly assigned and have no real meaning.
        </div>
       </div>
       <!-- /col-sm-6 -->
      </div>
      <!-- /row -->
      <div class="sub-header" id="product description">
       <h2>
        Product Description
       </h2>
      </div>
      >
       A perfect life â(| until she discovered it wasnâ(t her own.A
tragic family event reveals devastating news that rips apart Bellaâ(s
comfortable existence. Embarking on a personal journey to uncover the
truth, she faces a series of traumatic discoveries that take her to
the ruggedly beautiful Cornish coast, where hidden truths, past
betrayals and a 25-year-old mystery threaten n A perfect life â(
until she discovered it wasnâ(t her own.A tragic family event reveals
devastating news that rips apart Bellaâ(s comfortable existence.
Embarking on a personal journey to uncover the truth, she faces a
series of traumatic discoveries that take her to the ruggedly
beautiful Cornish coast, where hidden truths, past betrayals and a 25-
year-old mystery threaten not just her identity, but also her
life.Chilling, complex and profoundly moving, In Her Wake is a
gripping psychological thriller that questions the nature of family â(
and reminds us that sometimes the most shocking crimes are committed
closest to home. ...more
      <q\>
      <div class="sub-header">
        Product Information
       </h2>
      UPC
        <
         23356462d1320d61
        Product Type
```

```
Books
 Price (excl. tax)
£12.84
Price (incl. tax)
 £12.84
Tax
 £0.00
Availability
 In stock (19 available)
Number of reviews
0
<section>
<div class="sub-header" id="reviews">
</div>
</section>
<div class="sub-header">
```

```
<h2>
       Products you recently viewed
       </h2>
      </div>
      <article class="product pod">
        <div class="image container">
         <a href="../the-rise-of-theodore-roosevelt-theodore-</pre>
roosevelt-1 276/index.html">
          <img alt="The Rise of Theodore Roosevelt (Theodore</pre>
Roosevelt #1)" class="thumbnail"
src="../../media/cache/ff/d4/ffd45d95f314555e20c923d3522adea7.jpg"/>
         </a>
        </div>
        <i class="icon-star">
         </i>
         <i class="icon-star">
         <i class="icon-star">
         </i>
         <i class="icon-star">
         <i class="icon-star">
         </i>
        <h3>
         <a href="../the-rise-of-theodore-roosevelt-theodore-
roosevelt-1_276/index.html" title="The Rise of Theodore Roosevelt
(Theodore Roosevelt #1)">
          The Rise of Theodore ...
         </a>
        </h3>
        <div class="product price">
         £42.57
         <i class="icon-ok">
          </i>
          In stock
         <form>
          <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
          </button>
         </form>
        </div>
```

```
</article>
      <article class="product pod">
        <div class="image container">
href="../benjamin-franklin-an-american-life 460/index.html">
         <img alt="Benjamin Franklin: An American Life"</pre>
class="thumbnail"
src="../../media/cache/25/f8/25f869fa75340fca0fc2a68e8a0412a1.jpg"/>
         </a>
        </div>
        <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
         <i class="icon-star">
         <i class="icon-star">
         </i>
         <i class="icon-star">
         </i>
        <h3>
href="../benjamin-franklin-an-american-life 460/index.html"
title="Benjamin Franklin: An American Life">
         Benjamin Franklin: An American ...
         </a>
        </h3>
        <div class="product_price">
         £48.19
         <q\>
         <i class="icon-ok">
         </i>
         In stock
         <form>
         <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
          Add to basket
         </button>
         </form>
        </div>
       </article>
```

```
<article class="product pod">
         <div class="image container">
          <a href="../the-faith-of-christopher-hitchens-the-restless-</pre>
soul-of-the-worlds-most-notorious-atheist 495/index.html">
           <img alt="The Faith of Christopher Hitchens: The Restless"</pre>
Soul of the World's Most Notorious Atheist" class="thumbnail"
src="../../media/cache/cc/a4/cca4e6a4cd5c207e7ce7d992ff464c3b.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="../the-faith-of-christopher-hitchens-the-restless-</pre>
soul-of-the-worlds-most-notorious-atheist 495/index.html" title="The
Faith of Christopher Hitchens: The Restless Soul of the World's Most
Notorious Atheist">
          The Faith of Christopher ...
          </a>
         </h3>
         <div class="product price">
          £39.55
          <i class="icon-ok">
           </i>
          In stock
          <form>
          <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
           </button>
          </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image container">
```

```
<a href="../setting-the-world-on-fire-the-brief-
astonishing-life-of-st-catherine-of-siena 603/index.html">
           <img alt="Setting the World on Fire: The Brief,</pre>
Astonishing Life of St. Catherine of Siena" class="thumbnail"
src="../../media/cache/8b/c4/8bc43a6b42d0283ab4bf611f1b497126.jpg"/>
          </a>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <h3>
          <a href="../setting-the-world-on-fire-the-brief-
astonishing-life-of-st-catherine-of-siena 603/index.html"
title="Setting the World on Fire: The Brief, Astonishing Life of St.
Catherine of Siena">
           Setting the World on ...
          </a>
         </h3>
         <div class="product price">
          £21.15
          <i class="icon-ok">
           </i>
           In stock
          <form>
           <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
           </button>
          </form>
         </div>
        </article>
       <article class="product pod">
         <div class="image_container">
  <a href="../louisa-the-extraordinary-life-of-mrs-">
adams 818/index.html">
```

```
<img alt="Louisa: The Extraordinary Life of Mrs. Adams"</pre>
class="thumbnail"
src="../../media/cache/6f/d9/6fd92e5143cbd5bb8bcf034e5f007dde.jpg"/>
         </div>
         <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         <i class="icon-star">
         </i>
         <h3>
          <a href="../louisa-the-extraordinary-life-of-mrs-</pre>
adams 818/index.html" title="Louisa: The Extraordinary Life of Mrs.
Adams">
          Louisa: The Extraordinary Life ...
         </a>
         </h3>
         <div class="product price">
          £16.85
         <i class="icon-ok">
          </i>
          In stock
          <form>
          <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
          </button>
         </form>
        </div>
        </article>
       <article class="product pod">
         <div class="image container">
         <a href="../rework_212/index.html">
          <img alt="Rework" class="thumbnail"</pre>
src="../../media/cache/54/10/5410a58193e2373c04b3021ade78a82b.jpg"/>
         </a>
         </div>
```

```
<i class="icon-star">
          </i>
          <i class="icon-star">
          <i class="icon-star">
          </i>
         <i class="icon-star">
         <i class="icon-star">
         </i>
         <h3>
          <a href="../rework_212/index.html" title="Rework">
          Rework
         </a>
         </h3>
         <div class="product_price">
          £44.88
         <i class="icon-ok">
          </i>
          In stock
         <form>
          <button class="btn btn-primary btn-block" data-loading-</pre>
text="Adding..." type="submit">
           Add to basket
          </button>
         </form>
        </div>
        </article>
       </article>
     <!-- End of product page -->
    </div>
   </div>
  </div>
 </div>
 <footer class="footer container-fluid">
 </footer>
 <!-- jQuery -->
 <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min.js">
 </script>
 <script>
  window.jQuery || document.write('<script</pre>
```

```
src="../../static/oscar/js/jquery/jquery-1.9.1.min.js"><\/script>')
 </script>
 <!-- Twitter Bootstrap -->
 <script src="../../static/oscar/js/bootstrap3/bootstrap.min.js"</pre>
type="text/javascript">
 </script>
 <!-- Oscar -->
 <script charset="utf-8" src="../../static/oscar/js/oscar/ui.js"</pre>
type="text/javascript">
 </script>
 <script charset="utf-8" src="../../static/oscar/js/bootstrap-</pre>
datetimepicker/bootstrap-datetimepicker.js" type="text/javascript">
 </script>
 <script charset="utf-8" src="../../static/oscar/is/bootstrap-</pre>
datetimepicker/locales/bootstrap-datetimepicker.all.js"
type="text/javascript">
 </script>
 <script type="text/javascript">
  $(function() {
oscar.init();
          });
 </script>
 <!-- Version: N/A -->
</body>
</html>
nsoup.select('tr')
[
UPC23356462d1320d61
,
Product TypeBooks
,
Price (excl. tax)£12.84
,
Price (incl. tax)£12.84
,
Tax£0.00
,
Availability
In stock (19 available)
```

```
,
Number of reviews
0
1
nsoup.select('tr th')
[UPC,
Product Type,
Price (excl. tax),
Price (incl. tax),
Tax,
Availability,
Number of reviews]
nsoup.select('tr td')
[23356462d1320d61,
Books,
A£12.84
A£12.84
£0.00,
In stock (19 available)
0]
nsoup.select('tr td')[2].text
'£12.84'
from concurrent.futures import ThreadPoolExecutor
# Initialize list to store data
books data = []
# Function to scrape a single book page for extra details
def scrape book page(book url):
   try:
       res = requests.get(book url, timeout=5)
       res.raise for status()
      soup = BeautifulSoup(res.text, 'html.parser')
      # Extract additional details from book page
      book_details = {th.text.strip(): td.text.strip() for th, td in
zip(soup.select('tr th'), soup.select('tr td'))}
       return book_details # Returns a dictionary with extra book
details
   except Exception as e:
      print(f"Error fetching book page {book_url}: {e}")
       return {}
```

```
# Function to scrape all books from a page
def scrape page(pg num):
    url = f'https://books.toscrape.com/catalogue/page-{pg num}.html'
    req = requests.get(url, timeout=5)
    if req.status code != 200:
        print(f"Failed to fetch page {pg num}")
        return []
    soup pg = BeautifulSoup(reg.text, 'html.parser')
    books = []
    for book in soup pg.select('article.product pod'):
        title = book.h3.a['title']
        price = book.select one('.price color').text.replace('f', '')
        rating = book.select one('p.star-rating')['class'][1]
        availability = book.select one('.availability').text.strip()
        book url = "http://books.toscrape.com/catalogue/" +
book.h3.a['href']
        # Store basic book info
        book info = {
            "Title": title.
            "Price (f)": price,
            "Rating": rating,
            "Availability": availability,
            "URL": book url # Store URL for optional extra scraping
        }
        books.append(book info)
    return books
# Scrape all pages
for page in range(1, 51):
    books data.extend(scrape page(page))
# Use ThreadPoolExecutor to fetch book details in parallel
with ThreadPoolExecutor(max workers=10) as executor:
    extra details = list(executor.map(scrape book page, [book['URL']
for book in books data]))
# Merge extra details into books data
for i, details in enumerate(extra details):
    books data[i].update(details)
# Convert to DataFrame and Save
df = pd.DataFrame(books data)
```

```
df.to csv("optimized books data.csv", index=False)
print("Scraping completed! Data saved as optimized books data.csv")
Scraping completed! Data saved as optimized_books_data.csv
# adding new columns in a dataframe
new df = pd.DataFrame()
new_df["Rating"] = rating_list
new df["Title"] = title list
new df
    Rating
                                                         Title
0
     Three
                                         A Light in the Attic
                                            Tipping the Velvet
1
       0ne
2
       0ne
                                                    Soumission
3
      Four
                                                 Sharp Objects
4
                        Sapiens: A Brief History of Humankind
      Five
           Alice in Wonderland (Alice's Adventures in Won...
995
       0ne
            Ajin: Demi-Human, Volume 1 (Ajin: Demi-Human #1)
996
      Four
            A Spy's Devotion (The Regency Spies of London #1)
997
      Five
                          1st to Die (Women's Murder Club #1)
998
       0ne
999
      Five
                           1,000 Places to See Before You Die
[1000 rows x 2 columns]
```