Web Scraping

```
In [8]:  import requests
         from bs4 import BeautifulSoup
```

1) Inspect the website's HTML source and identify the right URLs to download. 2) Download and save web pages locally using the requests library. 3) Create a function to automate downloading for different topics/search queries. 4) Use Beautiful Soup to parse and extract information 5) Parse and explore the structure of downloaded web pages using beautiful soup. 6) Use the right properties and methods to extract the required information. 7) Create functions to extract from the page into lists and dictionaries. 8) Create functions for the end-to-end process of downloading, parsing, and saving CSVs.

Send Request to Website

```
In [4]:  web=requests.get("https://books.toscrape.com/")
```

```
In [5]:  print(web)
```

```
<Response [200]>
```

Response 200 means our web page is loaded succssesfully

```
In [6]:  web.content
```

```
Out[6]: b'<!DOCTYPE html>\n<!--[if lt IE 7]>      <html lang="en-us" class="no-js lt-
        ie9 lt-ie8 lt-ie7"> <![endif]-->\n<!--[if IE 7]>          <html lang="en-us" c
        lass="no-js lt-ie9 lt-ie8"> <![endif]-->\n<!--[if IE 8]>          <html lan
        g="en-us" class="no-js lt-ie9"> <![endif]-->\n<!--[if gt IE 8]><!--> <html la
        ng="en-us" class="no-js"> <!--<![endif]-->\n    <head>\n        <title>\n
        All products | Books to Scrape - Sandbox\n</title>\n\n        <meta http-equi
        v="content-type" content="text/html; charset=UTF-8" />\n        <meta name="c
        reated" content="24th Jun 2016 09:29" />\n        <meta name="description" co
        ntent="" />\n        <meta name="viewport" content="width=device-width" />\n
        <meta name="robots" content="NOARCHIVE,NOCACHE" />\n\n        <!-- Le HTML5 s
        him, for IE6-8 support of HTML elements -->\n        <!--[if lt IE 9]>\n
        <script src="//html5shim.googlecode.com/svn/trunk/html5.js"></script>\n
        <![endif]-->\n\n        \n                <link rel="shortcut icon" href="static/
        oscar/favicon.ico" />\n        \n\n        \n        \n        \n        \n        <l
        ink rel="stylesheet" type="text/css" href="static/oscar/css/styles.css" />\n
        \n    <link rel="stylesheet" href="static/oscar/js/bootstrap-datetimepicker/b
        ootstrap-datetimepicker.css" />\n    <link rel="stylesheet" type="text/css" h
        ref="static/oscar/css/datetimepicker.css" />\n\n\n        \n        \n\n
        \n\n        \n            \n        \n\n        \n    </head>\n\n    <bod
        y id="default" class="default">\n        \n        \n    \n    \n    <header
        class="header container-fluid">\n        <div class="page_inner">\n
        <div class="row">\n            <div class="col-sm-8 h1"><a href="index.ht
        ml">Books to Scrape</a><small> We love being scraped!</small>\n</div>\n\n
        \n            </div>\n        </div>\n    </header>\n\n    \n    \n<div clas
        s="container-fluid page">\n    <div class="page_inner">\n        \n    <ul cl
        ass="breadcrumb">\n        <li>\n            <a href="index.html">Home</a>\n
        </li>\n        <li class="active">All products</li>\n    </ul>\n\n        <di
        v class="row">\n\n            <aside class="sidebar col-sm-4 col-md-3">\n
        \n            <div id="promotions_left">\n                    \n
        </div>\n            \n    \n    \n        \n        <div class="side_cate
        gories">\n            <ul class="nav nav-list">\n                \n
        <li>\n                    <a href="catalogue/category/books_1/index.htm
        l">\n                        \n                            Books\n
        \n                    </a>\n\n                    <ul>\n
        \n                    \n                    <li>\n                        <a hre
        f="catalogue/category/books/travel_2/index.html">\n
        \n                        Travel\n                        \n
        </a>\n\n                    </li>\n                        \n
        \n                    <li>\n                        <a href="catalogue/catego
        ry/books/mystery_3/index.html">\n                        \n
        Mystery\n                        \n                    </a>\n\n
        </li>\n                        \n                        \n                    <li>\n
        <a href="catalogue/category/books/historical-fiction_4/index.html">\n
        \n                        Historical Fiction\n
        \n                    </a>\n\n                    </li>\n
        \n                        \n                    <li>\n                        <a hre
        f="catalogue/category/books/sequential-art_5/index.html">\n
        \n                        Sequential Art\n
        \n                    </a>\n\n                    </li>\n
        \n                        \n                    <li>\n                        <a hre
        f="catalogue/category/books/classics_6/index.html">\n
        \n                        Classics\n                        \n
        </a>\n\n                    </li>\n                        \n
        \n                        \n                    <li>\n                        <a href="catalogue/catego
```

```
ry/books/philosophy_7/index.html">\n                                    \n
Philosophy\n                      \n                              </a>\n\n
</li>\n                      \n              \n              <li>\n
<a href="catalogue/category/books/romance_8/index.html">\n
\n                              Romance\n                              \n
</a>\n\n                      </li>\n                      \n
\n              <li>\n                      <a href="catalogue/catego
ry/books/womens-fiction_9/index.html">\n                              \n
Womens Fiction\n                              \n
</a>\n\n                      </li>\n                      \n
\n              <li>\n                      <a href="catalogue/catego
ry/books/fiction_10/index.html">\n                              \n
Fiction\n                      \n                      </a>\n\n
</li>\n                      \n              \n              <li>\n
<a href="catalogue/category/books/childrens_11/index.html">\n
\n                              Childrens\n                              \n
</a>\n\n                      </li>\n                      \n
\n              <li>\n                      <a href="catalogue/catego
ry/books/religion_12/index.html">\n                              \n
Religion\n                              \n              </a>\n\n
</li>\n                      \n              \n              <li>\n
<a href="catalogue/category/books/nonfiction_13/index.html">\n
\n                              Nonfiction\n                              \n
</a>\n\n                      </li>\n                      \n
\n              <li>\n                      <a href="catalogue/catego
ry/books/music_14/index.html">\n                              \n
Music\n                      \n                      </a>\n\n
</li>\n                      \n              \n              <li>\n
<a href="catalogue/category/books/default_15/index.html">\n
\n                              Default\n                              \n
</a>\n\n                      </li>\n                      \n
\n              <li>\n                      <a href="catalogue/catego
ry/books/science-fiction_16/index.html">\n                              \n
Science Fiction\n                              \n
</a>\n\n                      </li>\n                      \n
\n              <li>\n                      <a href="catalogue/catego
ry/books/sports-and-games_17/index.html">\n                              \n
Sports and Games\n                              \n
</a>\n\n                      </li>\n                      \n
\n              <li>\n                      <a href="catalogue/catego
ry/books/add-a-comment_18/index.html">\n                              \n
Add a comment\n                              \n              </a>\n\n
</li>\n                      \n              \n              <li>\n
<a href="catalogue/category/books/fantasy_19/index.html">\n
\n                              Fantasy\n                              \n
</a>\n\n                      </li>\n                      \n
\n              <li>\n                      <a href="catalogue/catego
ry/books/new-adult_20/index.html">\n                              \n
New Adult\n                      \n                      </a>\n\n
</li>\n                      \n              \n              <li>\n
<a href="catalogue/category/books/young-adult_21/index.html">\n
\n                              Young Adult\n                              \n
</a>\n\n                      </li>\n                      \n
\n              <li>\n                      <a href="catalogue/catego
```

ry/books/science_22/index.html">\n   \n
Science\n   \n   \n\n
\n   \n   \n   \n
\n
\n   Poetry\n   \n
\n\n   \n   \n
\n   \n   <a href="catalogue/catego
ry/books/paranormal_24/index.html">\n   \n
Paranormal\n   \n   \n\n
\n   \n   \n   \n
\n
\n   Art\n   \n
\n\n   \n   \n
\n   \n   <a href="catalogue/catego
ry/books/psychology_26/index.html">\n   \n
Psychology\n   \n   \n\n
\n   \n   \n   \n
\n
\n   Autobiography\n
\n   \n\n   \n
\n   \n   \n   <a hre
f="catalogue/category/books/parenting_28/index.html">\n
\n   Parenting\n   \n
\n\n   \n   \n
\n   \n   <a href="catalogue/catego
ry/books/adult-fiction_29/index.html">\n   \n
Adult Fiction\n   \n   \n\n
\n   \n   \n   \n
\n
\n   Humor\n   \n
\n\n   \n   \n
\n   \n   <a href="catalogue/catego
ry/books/horror_31/index.html">\n   \n
Horror\n   \n   \n\n
\n   \n   \n   \n
\n
\n   History\n   \n
\n\n   \n   \n
\n   \n   <a href="catalogue/catego
ry/books/food-and-drink_33/index.html">\n   \n
Food and Drink\n   \n
\n\n   \n   \n
\n   \n   <a href="catalogue/catego
ry/books/christian-fiction_34/index.html">\n   \n
Christian Fiction\n   \n
\n\n   \n   \n
\n   \n   <a href="catalogue/catego
ry/books/business_35/index.html">\n   \n
Business\n   \n   \n\n
\n   \n   \n   \n
\n
\n   Biography\n   \n
\n\n   \n   \n
\n   \n   <a href="catalogue/catego

```html
ry/books/thriller_37/index.html">\n                                            \n
Thriller\n                              \n                          </a>\n\n
</li>\n                              \n              \n                          <li>\n
<a href="catalogue/category/books/contemporary_38/index.html">\n
\n                              Contemporary\n
\n                          </a>\n\n                              </li>\n
\n                  \n                          <li>\n                          <a hre
f="catalogue/category/books/spirituality_39/index.html">\n
\n                              Spirituality\n
\n                          </a>\n\n                              </li>\n
\n                  \n                          <li>\n                          <a hre
f="catalogue/category/books/academic_40/index.html">\n
\n                              Academic\n                                  \n
</a>\n\n                              </li>\n                              \n
\n                  <li>\n                          <a href="catalogue/catego
ry/books/self-help_41/index.html">\n                                  \n
Self Help\n                              \n                          </a>\n\n
</li>\n                              \n              \n                          <li>\n
<a href="catalogue/category/books/historical_42/index.html">\n
\n                              Historical\n                                  \n
</a>\n\n                              </li>\n                              \n
\n                  <li>\n                          <a href="catalogue/catego
ry/books/christian_43/index.html">\n                                  \n
Christian\n                              \n                          </a>\n\n
</li>\n                              \n              \n                          <li>\n
<a href="catalogue/category/books/suspense_44/index.html">\n
\n                              Suspense\n                                  \n
</a>\n\n                              </li>\n                              \n
\n                  <li>\n                          <a href="catalogue/catego
ry/books/short-stories_45/index.html">\n                                  \n
Short Stories\n                              \n                          </a>\n\n
</li>\n                              \n              \n                          <li>\n
<a href="catalogue/category/books/novels_46/index.html">\n
\n                              Novels\n                                  \n
</a>\n\n                              </li>\n                              \n
\n                  <li>\n                          <a href="catalogue/catego
ry/books/health_47/index.html">\n                                  \n
Health\n                              \n                          </a>\n\n
</li>\n                              \n              \n                          <li>\n
<a href="catalogue/category/books/politics_48/index.html">\n
\n                              Politics\n                                  \n
</a>\n\n                              </li>\n                              \n
\n                  <li>\n                          <a href="catalogue/catego
ry/books/cultural_49/index.html">\n                                  \n
Cultural\n                              \n                          </a>\n\n
</li>\n                              \n              \n                          <li>\n
<a href="catalogue/category/books/erotica_50/index.html">\n
\n                              Erotica\n                                  \n
</a>\n\n                              </li>\n                              \n
\n                  <li>\n                          <a href="catalogue/catego
ry/books/crime_51/index.html">\n                                  \n
Crime\n                              \n                          </a>\n\n
</li>\n                              \n                          </ul></li>\n
\n                  \n                  </ul>\n          </div>\n      \n      \n\n
```

```
</aside>\n\n                <div class="col-sm-8 col-md-9">\n                    \n
<div class="page-header action">\n                        <h1>All products</h1>\n
</div>\n                    \n\n                    \n\n\n\n<div id="messages">\n\
n</div>\n\n\n                    <div id="promotions">\n                            \n
</div>\n\n                    \n    <form method="get" class="form-horizontal">\n
\n        <div style="display:none">\n                \n            \n        </d
iv>\n\n            \n                \n                \n                    <stron
g>1000</strong> results - showing <strong>1</strong> to <strong>20</stron
g>.\n                \n                \n                \n    \n    </form>\n
\n        <section>\n            <div class="alert alert-warning" role="aler
t"><strong>Warning!</strong> This is a demo website for web scraping purpose
s. Prices and ratings here were randomly assigned and have no real meanin
g.</div>\n\n                <div>\n                    <ol class="row">\n
\n                            <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n\n    <article class="product_pod">\n            \n            <div clas
s="image_container">\n                    \n                    \n
<a href="catalogue/a-light-in-the-attic_1000/index.html"><img src="media/cach
e/2c/da/2cdad67c44b002e7ead0cc35693c0e8b.jpg" alt="A Light in the Attic" clas
s="thumbnail"></a>\n                    \n                    \n            </di
v>\n        \n\n        \n            \n                    <p class="star-rating
Three">\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    <i class="icon-star"></i>\n
</p>\n        \n        \n\n        \n            <h3><a href="catalogue/
a-light-in-the-attic_1000/index.html" title="A Light in the Attic">A Light in
the ...</a></h3>\n        \n\n        \n            <div class="product_pric
e">\n        \n\n\n\n\n\n\n    \n        <p class="price_color">\xc2\
xa351.77</p>\n    \n\n<p class="instock availability">\n    <i class="icon-o
k"></i>\n    \n        In stock\n    \n</p>\n\n                \n
\n\n\n\n\n\n\n    \n    <form>\n        <button type="submit" class="btn btn-
primary btn-block" data-loading-text="Adding...">Add to basket</button>\n
</form>\n\n\n                \n            </div>\n        \n    </articl
e>\n\n</li>\n                            \n                            <li class="col-x
s-6 col-sm-4 col-md-3 col-lg-3">\n\n\n\n\n\n\n    <article class="product_po
d">\n            \n            <div class="image_container">\n                    \n
\n                <a href="catalogue/tipping-the-velvet_999/index.htm
l"><img src="media/cache/26/0c/260c6ae16bce31c8f8c95daddd9f4a1c.jpg" alt="Tip
ping the Velvet" class="thumbnail"></a>\n                    \n
\n            </div>\n        \n\n        \n            \n                    <p
class="star-rating One">\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    <i class="icon-star"></i>\n
</p>\n        \n        \n\n        \n            <h3><a href="catalogue/
tipping-the-velvet_999/index.html" title="Tipping the Velvet">Tipping the Vel
vet</a></h3>\n        \n\n        \n            <div class="product_price">\n
\n\n\n\n\n\n\n    \n        <p class="price_color">\xc2\xa353.74</p>\n    \n\
n<p class="instock availability">\n    <i class="icon-ok"></i>\n    \n
In stock\n    \n</p>\n\n                \n                    \n\n\n\n\n\n\n\n
\n    <form>\n        <button type="submit" class="btn btn-primary btn-block"
data-loading-text="Adding...">Add to basket</button>\n    </form>\n\n\n
\n            </div>\n        \n    </article>\n\n</li>\n
\n                            <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n    <article class="product_pod">\n            \n            <div clas
s="image_container">\n                    \n                    \n
```

```
<a href="catalogue/soumission_998/index.html"><img src="media/cache/3e/ef/3ee
f99c9d9adef34639f510662022830.jpg" alt="Soumission" class="thumbnail"></a>\n
\n                \n              </div>\n             \n\n        \n            \n
<p class="star-rating One">\n                                <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                                <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                                <i class="icon-star"></i>\n
</p>\n             \n          \n\n          \n             <h3><a href="catalogue/
soumission_998/index.html" title="Soumission">Soumission</a></h3>\n
\n\n         \n                <div class="product_price">\n                 \n\n\
n\n\n\n\n     \n         <p class="price_color">\xc2\xa350.10</p>\n     \n\n<p c
lass="instock availability">\n     <i class="icon-ok"></i>\n     \n         In s
tock\n     \n</p>\n\n                      \n                 \n\n\n\n\n\n\n
\n     <form>\n          <button type="submit" class="btn btn-primary btn-block"
data-loading-text="Adding...">Add to basket</button>\n     </form>\n\n\n
\n             </div>\n          \n     </article>\n\n\n</li>\n
\n                      <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n\n     <article class="product_pod">\n          \n             <div clas
s="image_container">\n                    \n                          \n
<a href="catalogue/sharp-objects_997/index.html"><img src="media/cache/32/51/
3251cf3a3412f53f339e42cac2134093.jpg" alt="Sharp Objects" class="thumbnai
l"></a>\n                     \n               \n              </div>\n
\n\n         \n              \n                      <p class="star-rating Four">\n
<i class="icon-star"></i>\n                                <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                                <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                       </p>\n             \n          \n\n
\n          <h3><a href="catalogue/sharp-objects_997/index.html" title="Sha
rp Objects">Sharp Objects</a></h3>\n             \n\n         \n                <div cl
ass="product_price">\n                 \n\n\n\n\n\n\n     \n         <p class="p
rice_color">\xc2\xa347.82</p>\n     \n\n<p class="instock availability">\n
<i class="icon-ok"></i>\n     \n         In stock\n     \n</p>\n\n
\n                      \n\n\n\n\n\n\n     \n     <form>\n          <button type="s
ubmit" class="btn btn-primary btn-block" data-loading-text="Adding...">Add to
basket</button>\n     </form>\n\n\n                 \n             </div>\n
\n     </article>\n\n\n</li>\n                        \n                            <li
class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\n\n\n\n\n\n\n     <article clas
s="product_pod">\n          \n             <div class="image_container">\n
\n                 \n                      <a href="catalogue/sapiens-a-brie
f-history-of-humankind_996/index.html"><img src="media/cache/be/a5/bea5697f25
34a2f86a3ef27b5a8c12a6.jpg" alt="Sapiens: A Brief History of Humankind" clas
s="thumbnail"></a>\n                     \n               \n              </di
v>\n             \n\n         \n              \n                      <p class="star-rating
Five">\n                      <i class="icon-star"></i>\n                                <i
class="icon-star"></i>\n                                <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                                <i class="icon-star"></i>\n
</p>\n             \n          \n\n          \n             <h3><a href="catalogue/
sapiens-a-brief-history-of-humankind_996/index.html" title="Sapiens: A Brief
History of Humankind">Sapiens: A Brief History ...</a></h3>\n             \n\n
\n              <div class="product_price">\n                 \n\n\n\n\n\n\n
\n         <p class="price_color">\xc2\xa354.23</p>\n     \n\n<p class="instock
availability">\n     <i class="icon-ok"></i>\n     \n         In stock\n
\n</p>\n\n                      \n                 \n\n\n\n\n\n\n     \n     <for
m>\n          <button type="submit" class="btn btn-primary btn-block" data-load
ing-text="Adding...">Add to basket</button>\n     </form>\n\n\n
\n             </div>\n          \n     </article>\n\n\n</li>\n
```

```
\n                            <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n\n    <article class="product_pod">\n        \n            <div clas
s="image_container">\n                    \n                    \n
<a href="catalogue/the-requiem-red_995/index.html"><img src="media/cache/68/3
3/68339b4c9bc034267e1da611ab3b34f8.jpg" alt="The Requiem Red" class="thumbnai
l"></a>\n                    \n                \n            </div>\n
\n\n        \n        \n                <p class="star-rating One">\n
<i class="icon-star"></i>\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                </p>\n            \n        \n\n
\n            <h3><a href="catalogue/the-requiem-red_995/index.html" title="T
he Requiem Red">The Requiem Red</a></h3>\n        \n\n        \n
<div class="product_price">\n                \n\n\n\n\n\n    \n        <p c
lass="price_color">\xc2\xa322.65</p>\n    \n\n<p class="instock availabilit
y">\n    <i class="icon-ok"></i>\n        \n        In stock\n    \n</p>\n\n
\n                \n\n\n\n\n\n\n    \n    <form>\n        <button type="s
ubmit" class="btn btn-primary btn-block" data-loading-text="Adding...">Add to
basket</button>\n    </form>\n\n\n            \n            </div>\n
\n    </article>\n\n</li>\n                            <li
class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\n\n\n\n\n\n    <article clas
s="product_pod">\n        \n            <div class="image_container">\n
\n                    \n                    <a href="catalogue/the-dirty-litt
le-secrets-of-getting-your-dream-job_994/index.html"><img src="media/cache/9
2/27/92274a95b7c251fea59a2b8a78275ab4.jpg" alt="The Dirty Little Secrets of G
etting Your Dream Job" class="thumbnail"></a>\n                    \n
\n            </div>\n        \n\n        \n        \n                <p
class="star-rating Four">\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    <i class="icon-star"></i>\n
</p>\n            \n        \n\n        \n            <h3><a href="catalogue/
the-dirty-little-secrets-of-getting-your-dream-job_994/index.html" title="The
Dirty Little Secrets of Getting Your Dream Job">The Dirty Little Secrets
...</a></h3>\n        \n\n        \n            <div class="product_price">\n
\n\n\n\n\n\n\n    \n        <p class="price_color">\xc2\xa333.34</p>\n    \n\
n<p class="instock availability">\n    <i class="icon-ok"></i>\n        \n
In stock\n    \n</p>\n\n                \n                \n\n\n\n\n\n\n
\n    <form>\n        <button type="submit" class="btn btn-primary btn-block"
data-loading-text="Adding...">Add to basket</button>\n    </form>\n\n\n
\n            </div>\n        \n    </article>\n\n</li>\n
\n                            <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n\n    <article class="product_pod">\n        \n            <div clas
s="image_container">\n                    \n                    \n
<a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamou
s-feminist-victoria-woodhull_993/index.html"><img src="media/cache/3d/54/3d54
940e57e662c4dd1f3ff00c78cc64.jpg" alt="The Coming Woman: A Novel Based on the
Life of the Infamous Feminist, Victoria Woodhull" class="thumbnail"></a>\n
\n                    \n            </div>\n        \n\n        \n        \n
<p class="star-rating Three">\n                    <i class="icon-sta
r"></i>\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                </p>\n            \n        \n\n
\n            <h3><a href="catalogue/the-coming-woman-a-novel-based-on-the-li
fe-of-the-infamous-feminist-victoria-woodhull_993/index.html" title="The Comi
ng Woman: A Novel Based on the Life of the Infamous Feminist, Victoria Woodhu
```

ll">The Coming Woman: A ...</h3>\n   \n\n   \n   <div
class="product_price">\n   \n\n\n\n\n\n\n   \n   <p clas
s="price_color">\xc2\xa317.93</p>\n   \n\n<p class="instock availability">\n
<i class="icon-ok"></i>\n   \n   In stock\n   \n</p>\n\n\n
\n   \n\n\n\n\n\n\n   \n   <form>\n   <button type="s
ubmit" class="btn btn-primary btn-block" data-loading-text="Adding...">Add to
basket</button>\n   </form>\n\n\n   \n   </div>\n
\n   </article>\n\n
\n   \n   <li
class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\n\n\n\n\n\n   <article clas
s="product_pod">\n   \n   <div class="image_container">\n
\n   \n   <a href="catalogue/the-boys-in-th
e-boat-nine-americans-and-their-epic-quest-for-gold-at-the-1936-berlin-olympi
cs_992/index.html"><img src="media/cache/66/88/66883b91f6804b2323c8369331cb7d
d1.jpg" alt="The Boys in the Boat: Nine Americans and Their Epic Quest for Go
ld at the 1936 Berlin Olympics" class="thumbnail">\n
\n   \n   </div>\n   \n\n   \n   \n
<p class="star-rating Four">\n   <i class="icon-star"></i>\n
<i class="icon-star"></i>\n   <i class="icon-star"></i>\n
<i class="icon-star"></i>\n   <i class="icon-star"></i>\n
</p>\n   \n   \n\n   \n   <h3><a href="catalogue/
the-boys-in-the-boat-nine-americans-and-their-epic-quest-for-gold-at-the-193
6-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
...</h3>\n   \n\n   \n   <div class="product_price">\n
\n\n\n\n\n\n\n   \n   <p class="price_color">\xc2\xa322.60</p>\n   \n\
n<p class="instock availability">\n   <i class="icon-ok"></i>\n   \n
In stock\n   \n</p>\n\n   \n   \n\n\n\n\n\n\n
\n   <form>\n   <button type="submit" class="btn btn-primary btn-block"
data-loading-text="Adding...">Add to basket</button>\n   </form>\n\n\n
\n   </div>\n   \n   </article>\n\n
\n
\n   <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n\n   <article class="product_pod">\n   \n   <div clas
s="image_container">\n   \n   \n
<img src="media/cache/58/4
6/5846057e28022268153beff6d352b06c.jpg" alt="The Black Maria" class="thumbnai
l">\n   \n   \n   </div>\n
\n\n   \n   \n   <p class="star-rating One">\n
<i class="icon-star"></i>\n   <i class="icon-star"></i>\n
<i class="icon-star"></i>\n   <i class="icon-star"></i>\n
<i class="icon-star"></i>\n   </p>\n   \n   \n\n
\n   <h3><a href="catalogue/the-black-maria_991/index.html" title="T
he Black Maria">The Black Maria</h3>\n   \n\n   \n
<div class="product_price">\n   \n\n\n\n\n\n\n   \n   <p c
lass="price_color">\xc2\xa352.15</p>\n   \n\n<p class="instock availabilit
y">\n   <i class="icon-ok"></i>\n   \n   In stock\n   \n</p>\n\n\n
\n   \n\n\n\n\n\n\n   \n   <form>\n   <button type="s
ubmit" class="btn btn-primary btn-block" data-loading-text="Adding...">Add to
basket</button>\n   </form>\n\n\n   \n   </div>\n
\n   </article>\n\n
\n   \n   <li
class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\n\n\n\n\n\n   <article clas
s="product_pod">\n   \n   <div class="image_container">\n
\n   \n   <a href="catalogue/starving-heart
s-triangular-trade-trilogy-1_990/index.html"><img src="media/cache/be/f4/bef4
4da28c98f905a3ebec0b87be8530.jpg" alt="Starving Hearts (Triangular Trade Tril

```
ogy, #1)" class="thumbnail"></a>\n                                \n                    \n
</div>\n          \n\n       \n            \n                      <p class="star-ra
ting Two">\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
</p>\n            \n         \n\n       \n                <h3><a href="catalogue/
starving-hearts-triangular-trade-trilogy-1_990/index.html" title="Starving He
arts (Triangular Trade Trilogy, #1)">Starving Hearts (Triangular Trade
...</a></h3>\n          \n\n        \n                <div class="product_price">\n
\n\n\n\n\n\n\n     \n          <p class="price_color">\xc2\xa313.99</p>\n     \n\
n<p class="instock availability">\n    <i class="icon-ok"></i>\n      \n
In stock\n      \n</p>\n\n                  \n                        \n\n\n\n\n\n\n
\n     <form>\n          <button type="submit" class="btn btn-primary btn-block"
data-loading-text="Adding...">Add to basket</button>\n     </form>\n\n\n
\n            </div>\n          \n     </article>\n\n</li>\n
\n                        <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n\n     <article class="product_pod">\n          \n                <div clas
s="image_container">\n                    \n                       \n
<a href="catalogue/shakespeares-sonnets_989/index.html"><img src="media/cach
e/10/48/1048f63d3b5061cd2f424d20b3f9b666.jpg" alt="Shakespeare&#39;s Sonnets"
class="thumbnail"></a>\n                                \n                    \n
</div>\n          \n\n       \n            \n                      <p class="star-ra
ting Four">\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
</p>\n            \n         \n\n       \n                <h3><a href="catalogue/
shakespeares-sonnets_989/index.html" title="Shakespeare&#39;s Sonnets">Shakes
peare&#39;s Sonnets</a></h3>\n          \n\n        \n                <div class="p
roduct_price">\n                    \n\n\n\n\n\n\n\n     \n          <p class="price_c
olor">\xc2\xa320.66</p>\n     \n\n<p class="instock availability">\n    <i cla
ss="icon-ok"></i>\n      \n          In stock\n      \n</p>\n\n                  \n
\n\n\n\n\n\n\n     \n     <form>\n          <button type="submit" class="btn btn-
primary btn-block" data-loading-text="Adding...">Add to basket</button>\n
</form>\n\n\n                  \n            </div>\n          \n     </articl
e>\n\n</li>\n                        \n                        <li class="col-x
s-6 col-sm-4 col-md-3 col-lg-3">\n\n\n\n\n\n\n     <article class="product_po
d">\n          \n                <div class="image_container">\n                    \n
\n                       <a href="catalogue/set-me-free_988/index.html"><img sr
c="media/cache/5b/88/5b88c52633f53cacf162c15f4f823153.jpg" alt="Set Me Free"
class="thumbnail"></a>\n                                \n                    \n
</div>\n          \n\n       \n            \n                      <p class="star-ra
ting Five">\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
</p>\n            \n         \n\n       \n                <h3><a href="catalogue/
set-me-free_988/index.html" title="Set Me Free">Set Me Free</a></h3>\n
\n\n        \n                <div class="product_price">\n                    \n\n\
n\n\n\n\n     \n          <p class="price_color">\xc2\xa317.46</p>\n     \n\n<p c
lass="instock availability">\n    <i class="icon-ok"></i>\n      \n          In s
tock\n      \n</p>\n\n                  \n                        \n\n\n\n\n\n\n\n
\n     <form>\n          <button type="submit" class="btn btn-primary btn-block"
data-loading-text="Adding...">Add to basket</button>\n     </form>\n\n\n
\n            </div>\n          \n     </article>\n\n</li>\n
\n                        <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
```

```
n\n\n\n\n\n            <article class="product_pod">\n        \n            <div clas
s="image_container">\n                    \n                        \n
<a href="catalogue/scott-pilgrims-precious-little-life-scott-pilgrim-1_987/in
dex.html"><img src="media/cache/94/b1/94b1b8b244bce9677c2f29ccc890d4d2.jpg" a
lt="Scott Pilgrim&#39;s Precious Little Life (Scott Pilgrim #1)" class="thumb
nail"></a>\n                    \n                    \n                </div>\n
\n\n        \n            \n                    <p class="star-rating Five">\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    </p>\n            \n            \n\n
\n            <h3><a href="catalogue/scott-pilgrims-precious-little-life-scot
t-pilgrim-1_987/index.html" title="Scott Pilgrim&#39;s Precious Little Life
(Scott Pilgrim #1)">Scott Pilgrim&#39;s Precious Little ...</a></h3>\n
\n\n        \n            <div class="product_price">\n                \n\n\
n\n\n\n\n    \n        <p class="price_color">\xc2\xa352.29</p>\n    \n\n<p c
lass="instock availability">\n    <i class="icon-ok"></i>\n    \n        In s
tock\n    \n</p>\n\n                    \n                        \n\n\n\n\n\n\n
\n    <form>\n        <button type="submit" class="btn btn-primary btn-block"
data-loading-text="Adding...">Add to basket</button>\n    </form>\n\n\n
\n            </div>\n        \n    </article>\n\n</li>\n
\n                        <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n\n            <article class="product_pod">\n        \n            <div clas
s="image_container">\n                    \n                        \n
<a href="catalogue/rip-it-up-and-start-again_986/index.html"><img src="media/
cache/81/c4/81c4a973364e17d01f217e1188253d5e.jpg" alt="Rip it Up and Start Ag
ain" class="thumbnail"></a>\n                    \n                    \n
</div>\n        \n\n        \n            \n                    <p class="star-ra
ting Five">\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
</p>\n            \n            \n\n        \n            <h3><a href="catalogue/
rip-it-up-and-start-again_986/index.html" title="Rip it Up and Start Again">R
ip it Up and ...</a></h3>\n        \n\n        \n            <div class="prod
uct_price">\n                \n\n\n\n\n\n\n    \n        <p class="price_colo
r">\xc2\xa335.02</p>\n    \n\n<p class="instock availability">\n    <i clas
s="icon-ok"></i>\n    \n        In stock\n    \n</p>\n\n                    \n
\n\n\n\n\n\n\n    \n    <form>\n        <button type="submit" class="btn btn-
primary btn-block" data-loading-text="Adding...">Add to basket</button>\n
</form>\n\n\n            \n            </div>\n        \n    </articl
e>\n\n</li>\n                        \n                        <li class="col-x
s-6 col-sm-4 col-md-3 col-lg-3">\n\n\n\n\n\n\n    <article class="product_po
d">\n        \n            <div class="image_container">\n                    \n
\n                        <a href="catalogue/our-band-could-be-your-life-scenes-f
rom-the-american-indie-underground-1981-1991_985/index.html"><img src="media/
cache/54/60/54607fe8945897cdcced0044103b10b6.jpg" alt="Our Band Could Be Your
Life: Scenes from the American Indie Underground, 1981-1991" class="thumbnai
l"></a>\n                    \n                    \n                </div>\n
\n\n        \n            \n                    <p class="star-rating Three">\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                        <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                    </p>\n            \n            \n\n
\n            <h3><a href="catalogue/our-band-could-be-your-life-scenes-from-
the-american-indie-underground-1981-1991_985/index.html" title="Our Band Coul
d Be Your Life: Scenes from the American Indie Underground, 1981-1991">Our Ba
```

nd Could Be ...</h3>\n   \n\n   \n   <div class="produ
ct_price">\n   \n\n\n\n\n\n\n   \n   <p class="price_colo
r">\xc2\xa357.25</p>\n   \n\n<p class="instock availability">\n   <i clas
s="icon-ok"></i>\n   \n   In stock\n   \n</p>\n\n   \n
\n\n\n\n\n\n\n   \n   <form>\n   <button type="submit" class="btn btn-
primary btn-block" data-loading-text="Adding...">Add to basket</button>\n
</form>\n\n\n   \n   </div>\n   \n   </articl
e>\n\n
\n   \n   <li class="col-x
s-6 col-sm-4 col-md-3 col-lg-3">\n\n\n\n\n\n\n   <article class="product_po
d">\n   \n   <div class="image_container">\n   \n
\n   <img src="medi
a/cache/55/33/553310a7162dfbc2c6d19a84da0df9e1.jpg" alt="Olio" class="thumbna
il">\n   \n   \n   </div>\n
\n\n   \n   \n   <p class="star-rating One">\n
<i class="icon-star"></i>\n   <i class="icon-star"></i>\n
<i class="icon-star"></i>\n   <i class="icon-star"></i>\n
<i class="icon-star"></i>\n   </p>\n   \n   \n\n
\n   <h3>Oli
o</h3>\n   \n\n   \n   <div class="product_price">\n
\n\n\n\n\n\n\n   \n   <p class="price_color">\xc2\xa323.88</p>\n   \n\
n<p class="instock availability">\n   <i class="icon-ok"></i>\n   \n
In stock\n   \n</p>\n\n   \n   \n\n\n\n\n\n\n\n
\n   <form>\n   <button type="submit" class="btn btn-primary btn-block"
data-loading-text="Adding...">Add to basket</button>\n   </form>\n\n\n
\n   </div>\n   \n   </article>\n\n
\n
\n   <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n\n   <article class="product_pod">\n   \n   <div clas
s="image_container">\n   \n   \n
<a href="catalogue/mesaerion-the-best-science-fiction-stories-1800-1849_983/i
ndex.html"><img src="media/cache/09/a3/09a3aef48557576e1a85ba7efea8ecb7.jpg"
alt="Mesaerion: The Best Science Fiction Stories 1800-1849" class="thumbnai
l">\n   \n   \n   </div>\n
\n\n   \n   \n   <p class="star-rating One">\n
<i class="icon-star"></i>\n   <i class="icon-star"></i>\n
<i class="icon-star"></i>\n   <i class="icon-star"></i>\n
<i class="icon-star"></i>\n   </p>\n   \n   \n\n
\n   <h3><a href="catalogue/mesaerion-the-best-science-fiction-stori
es-1800-1849_983/index.html" title="Mesaerion: The Best Science Fiction Stori
es 1800-1849">Mesaerion: The Best Science ...</h3>\n   \n\n
\n   <div class="product_price">\n   \n\n\n\n\n\n\n
\n   <p class="price_color">\xc2\xa337.59</p>\n   \n\n<p class="instock
availability">\n   <i class="icon-ok"></i>\n   \n   In stock\n
\n</p>\n\n   \n   \n\n\n\n\n\n\n   \n   <for
m>\n   <button type="submit" class="btn btn-primary btn-block" data-load
ing-text="Adding...">Add to basket</button>\n   </form>\n\n\n
\n   </div>\n   \n   </article>\n\n
\n
\n   <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\
n\n\n\n\n\n   <article class="product_pod">\n   \n   <div clas
s="image_container">\n   \n   \n
<img src="med
ia/cache/0b/bc/0bbcd0a6f4bcd81ccb1049a52736406e.jpg" alt="Libertarianism for
Beginners" class="thumbnail">\n   \n   \n
</div>\n   \n\n   \n   \n   <p class="star-ra
ting Two">\n   <i class="icon-star"></i>\n

```
<i class="icon-star"></i>\n                          <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                          <i class="icon-star"></i>\n
</p>\n          \n       \n\n        \n              <h3><a href="catalogue/
libertarianism-for-beginners_982/index.html" title="Libertarianism for Beginn
ers">Libertarianism for Beginners</a></h3>\n         \n\n         \n
<div class="product_price">\n                    \n\n\n\n\n\n\n    \n         <p c
lass="price_color">\xc2\xa351.33</p>\n    \n\n<p class="instock availabilit
y">\n    <i class="icon-ok"></i>\n     \n         In stock\n      \n</p>\n\n\n
\n                  \n\n\n\n\n\n\n\n    \n    <form>\n         <button type="s
ubmit" class="btn btn-primary btn-block" data-loading-text="Adding...">Add to
basket</button>\n     </form>\n\n\n              \n            </div>\n
\n     </article>\n\n</li>\n                       \n                         <li
class="col-xs-6 col-sm-4 col-md-3 col-lg-3">\n\n\n\n\n\n\n    <article clas
s="product_pod">\n        \n            <div class="image_container">\n
\n              \n              <a href="catalogue/its-only-the-h
imalayas_981/index.html"><img src="media/cache/27/a5/27a53d0bb95bdd88288eaf66
c9230d7e.jpg" alt="It&#39;s Only the Himalayas" class="thumbnail"></a>\n
\n              \n         </div>\n         \n\n     \n          \n
<p class="star-rating Two">\n                       <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                          <i class="icon-star"></i>\n
<i class="icon-star"></i>\n                          <i class="icon-star"></i>\n
</p>\n          \n       \n\n        \n              <h3><a href="catalogue/
its-only-the-himalayas_981/index.html" title="It&#39;s Only the Himalayas">I
t&#39;s Only the Himalayas</a></h3>\n         \n\n         \n         <div c
lass="product_price">\n                    \n\n\n\n\n\n\n    \n         <p clas
s="price_color">\xc2\xa345.17</p>\n    \n\n<p class="instock availability">\n
<i class="icon-ok"></i>\n     \n         In stock\n      \n</p>\n\n\n
\n                  \n\n\n\n\n\n\n\n    \n    <form>\n         <button type="s
ubmit" class="btn btn-primary btn-block" data-loading-text="Adding...">Add to
basket</button>\n     </form>\n\n\n              \n            </div>\n
\n     </article>\n\n</li>\n                       \n                         </ol>\n
\n\n\n\n     <div>\n          <ul class="pager">\n              \n          <li
class="current">\n               \n                    Page 1 of 50\n          \n
</li>\n            \n               <li class="next"><a href="catalogue/pag
e-2.html">next</a></li>\n          \n          </ul>\n     </div>\n\n\n
</div>\n          </section>\n     \n\n\n          </div>\n\n         </di
v><!-- /row -->\n     </div><!-- /page_inner -->\n</div><!-- /container-fluid
-->\n\n\n    \n<footer class="footer container-fluid">\n     \n        \n
\n</footer>\n\n\n         \n        \n  \n              <!-- jQuery -->\n
<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min.j
s"></script>\n          <script>window.jQuery || document.write(\'<script s
rc="static/oscar/js/jquery/jquery-1.9.1.min.js"><\\/script>\')</script>\n
\n  \n\n\n        \n       \n    \n        \n    <!-- Twitter Bootstrap --
>\n    <script type="text/javascript" src="static/oscar/js/bootstrap3/bootstr
ap.min.js"></script>\n     <!-- Oscar -->\n     <script src="static/oscar/js/os
car/ui.js" type="text/javascript" charset="utf-8"></script>\n\n     <script sr
c="static/oscar/js/bootstrap-datetimepicker/bootstrap-datetimepicker.js" typ
e="text/javascript" charset="utf-8"></script>\n     <script src="static/oscar/
js/bootstrap-datetimepicker/locales/bootstrap-datetimepicker.all.js" type="te
xt/javascript" charset="utf-8"></script>\n\n\n         \n       \n    \n\n
\n\n\n         \n        <script type="text/javascript">\n          $(functi
on() {\n              \n    \n    \n    oscar.init();\n\n    oscar.search.i
nit();\n\n               });\n          </script>\n\n         \n          <!-- Versio
n: N/A -->\n          \n     </body>\n</html>\n'
```

Parse HTML Content

```
In [10]:  soup=BeautifulSoup(web.content,"html.parser")
```

```
In [11]:  print(soup.prettify())
```

```html
<!DOCTYPE html>
<!--[if lt IE 7]>      <html lang="en-us" class="no-js lt-ie9 lt-ie8 lt-ie7">
<![endif]-->
<!--[if IE 7]>         <html lang="en-us" class="no-js lt-ie9 lt-ie8"> <![endi
f]-->
<!--[if IE 8]>         <html lang="en-us" class="no-js lt-ie9"> <![endif]-->
<!--[if gt 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 09:29" 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" type="text/css"/>
  <link href="static/oscar/js/bootstrap-datetimepicker/bootstrap-datetimepicke
r.css" rel="stylesheet"/>
  <link href="static/oscar/css/datetimepicker.css" 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">
    <ul class="breadcrumb">
     <li>
      <a href="index.html">
       Home
      </a>
     </li>
     <li class="active">
      All products
```

```html
  </li>
 </ul>
 <div class="row">
  <aside class="sidebar col-sm-4 col-md-3">
   <div id="promotions_left">
   </div>
   <div class="side_categories">
    <ul class="nav nav-list">
     <li>
      <a href="catalogue/category/books_1/index.html">
       Books
      </a>
      <ul>
       <li>
        <a href="catalogue/category/books/travel_2/index.html">
         Travel
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/mystery_3/index.html">
         Mystery
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/historical-fiction_4/index.html">
         Historical Fiction
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/sequential-art_5/index.html">
         Sequential Art
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/classics_6/index.html">
         Classics
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/philosophy_7/index.html">
         Philosophy
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/romance_8/index.html">
         Romance
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/womens-fiction_9/index.html">
         Womens Fiction
        </a>
       </li>
       <li>
```

```html
    <a href="catalogue/category/books/fiction_10/index.html">
     Fiction
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/childrens_11/index.html">
     Childrens
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/religion_12/index.html">
     Religion
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/nonfiction_13/index.html">
     Nonfiction
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/music_14/index.html">
     Music
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/default_15/index.html">
     Default
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/science-fiction_16/index.html">
     Science Fiction
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/sports-and-games_17/index.html">
     Sports and Games
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/add-a-comment_18/index.html">
     Add a comment
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/fantasy_19/index.html">
     Fantasy
    </a>
   </li>
   <li>
    <a href="catalogue/category/books/new-adult_20/index.html">
     New Adult
    </a>
   </li>
```

```html
<li>
 <a href="catalogue/category/books/young-adult_21/index.html">
  Young Adult
 </a>
</li>
<li>
 <a href="catalogue/category/books/science_22/index.html">
  Science
 </a>
</li>
<li>
 <a href="catalogue/category/books/poetry_23/index.html">
  Poetry
 </a>
</li>
<li>
 <a href="catalogue/category/books/paranormal_24/index.html">
  Paranormal
 </a>
</li>
<li>
 <a href="catalogue/category/books/art_25/index.html">
  Art
 </a>
</li>
<li>
 <a href="catalogue/category/books/psychology_26/index.html">
  Psychology
 </a>
</li>
<li>
 <a href="catalogue/category/books/autobiography_27/index.html">
  Autobiography
 </a>
</li>
<li>
 <a href="catalogue/category/books/parenting_28/index.html">
  Parenting
 </a>
</li>
<li>
 <a href="catalogue/category/books/adult-fiction_29/index.html">
  Adult Fiction
 </a>
</li>
<li>
 <a href="catalogue/category/books/humor_30/index.html">
  Humor
 </a>
</li>
<li>
 <a href="catalogue/category/books/horror_31/index.html">
  Horror
 </a>
```

```html
</li>
<li>
 <a href="catalogue/category/books/history_32/index.html">
  History
 </a>
</li>
<li>
 <a href="catalogue/category/books/food-and-drink_33/index.html">
  Food and Drink
 </a>
</li>
<li>
 <a href="catalogue/category/books/christian-fiction_34/index.html">
  Christian Fiction
 </a>
</li>
<li>
 <a href="catalogue/category/books/business_35/index.html">
  Business
 </a>
</li>
<li>
 <a href="catalogue/category/books/biography_36/index.html">
  Biography
 </a>
</li>
<li>
 <a href="catalogue/category/books/thriller_37/index.html">
  Thriller
 </a>
</li>
<li>
 <a href="catalogue/category/books/contemporary_38/index.html">
  Contemporary
 </a>
</li>
<li>
 <a href="catalogue/category/books/spirituality_39/index.html">
  Spirituality
 </a>
</li>
<li>
 <a href="catalogue/category/books/academic_40/index.html">
  Academic
 </a>
</li>
<li>
 <a href="catalogue/category/books/self-help_41/index.html">
  Self Help
 </a>
</li>
<li>
 <a href="catalogue/category/books/historical_42/index.html">
  Historical
```

```html
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/christian_43/index.html">
         Christian
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/suspense_44/index.html">
         Suspense
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/short-stories_45/index.html">
         Short Stories
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/novels_46/index.html">
         Novels
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/health_47/index.html">
         Health
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/politics_48/index.html">
         Politics
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/cultural_49/index.html">
         Cultural
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/erotica_50/index.html">
         Erotica
        </a>
       </li>
       <li>
        <a href="catalogue/category/books/crime_51/index.html">
         Crime
        </a>
       </li>
      </ul>
     </li>
    </ul>
   </div>
  </aside>
  <div class="col-sm-8 col-md-9">
   <div class="page-header action">
```

```html
    <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 he
re were randomly assigned and have no real meaning.
    </div>
    <div>
     <ol class="row">
      <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
       <article class="product_pod">
        <div class="image_container">
         <a href="catalogue/a-light-in-the-attic_1000/index.html">
          <img alt="A Light in the Attic" class="thumbnail" src="media/cach
e/2c/da/2cdad67c44b002e7ead0cc35693c0e8b.jpg"/>
         </a>
        </div>
        <p class="star-rating Three">
         <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>
        </p>
```

```html
        <h3>
         <a href="catalogue/a-light-in-the-attic_1000/index.html" title="A L
ight in the Attic">
          A Light in the ...
         </a>
        </h3>
        <div class="product_price">
         <p class="price_color">
          £51.77
         </p>
         <p class="instock availability">
          <i class="icon-ok">
          </i>
          In stock
         </p>
         <form>
          <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
           Add to basket
          </button>
         </form>
        </div>
       </article>
      </li>
      <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
       <article class="product_pod">
        <div class="image_container">
         <a href="catalogue/tipping-the-velvet_999/index.html">
          <img alt="Tipping the Velvet" class="thumbnail" src="media/cache/2
6/0c/260c6ae16bce31c8f8c95daddd9f4a1c.jpg"/>
         </a>
        </div>
        <p class="star-rating One">
         <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>
        </p>
        <h3>
         <a href="catalogue/tipping-the-velvet_999/index.html" title="Tippin
g the Velvet">
          Tipping the Velvet
         </a>
        </h3>
        <div class="product_price">
         <p class="price_color">
          £53.74
         </p>
```

```html
          <p class="instock availability">
           <i class="icon-ok">
           </i>
           In stock
          </p>
          <form>
           <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
        </article>
       </li>
       <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
        <article class="product_pod">
         <div class="image_container">
          <a href="catalogue/soumission_998/index.html">
           <img alt="Soumission" class="thumbnail" src="media/cache/3e/ef/3ee
f99c9d9adef34639f510662022830.jpg"/>
          </a>
         </div>
         <p class="star-rating One">
          <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>
         </p>
         <h3>
          <a href="catalogue/soumission_998/index.html" title="Soumission">
           Soumission
          </a>
         </h3>
         <div class="product_price">
          <p class="price_color">
           £50.10
          </p>
          <p class="instock availability">
           <i class="icon-ok">
           </i>
           In stock
          </p>
          <form>
           <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
            Add to basket
           </button>
          </form>
```

```html
        </div>
      </article>
    </li>
    <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
     <article class="product_pod">
      <div class="image_container">
       <a href="catalogue/sharp-objects_997/index.html">
        <img alt="Sharp Objects" class="thumbnail" src="media/cache/32/51/
3251cf3a3412f53f339e42cac2134093.jpg"/>
        </a>
       </div>
       <p class="star-rating Four">
        <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>
       </p>
       <h3>
        <a href="catalogue/sharp-objects_997/index.html" title="Sharp Objec
ts">
         Sharp Objects
        </a>
       </h3>
       <div class="product_price">
        <p class="price_color">
         £47.82
        </p>
        <p class="instock availability">
         <i class="icon-ok">
         </i>
         In stock
        </p>
        <form>
         <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
          Add to basket
         </button>
        </form>
       </div>
      </article>
     </li>
     <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
      <article class="product_pod">
       <div class="image_container">
        <a href="catalogue/sapiens-a-brief-history-of-humankind_996/index.h
tml">
         <img alt="Sapiens: A Brief History of Humankind" class="thumbnail"
src="media/cache/be/a5/bea5697f2534a2f86a3ef27b5a8c12a6.jpg"/>
```

```html
        </a>
      </div>
      <p class="star-rating Five">
       <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>
      </p>
      <h3>
       <a href="catalogue/sapiens-a-brief-history-of-humankind_996/index.h
tml" title="Sapiens: A Brief History of Humankind">
        Sapiens: A Brief History ...
       </a>
      </h3>
      <div class="product_price">
       <p class="price_color">
        £54.23
       </p>
       <p class="instock availability">
        <i class="icon-ok">
        </i>
        In stock
       </p>
       <form>
        <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
         Add to basket
        </button>
       </form>
      </div>
     </article>
    </li>
    <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
     <article class="product_pod">
      <div class="image_container">
       <a href="catalogue/the-requiem-red_995/index.html">
        <img alt="The Requiem Red" class="thumbnail" src="media/cache/68/3
3/68339b4c9bc034267e1da611ab3b34f8.jpg"/>
       </a>
      </div>
      <p class="star-rating One">
       <i class="icon-star">
       </i>
       <i class="icon-star">
       </i>
       <i class="icon-star">
       </i>
       <i class="icon-star">
```

```html
       </i>
       <i class="icon-star">
       </i>
      </p>
      <h3>
       <a href="catalogue/the-requiem-red_995/index.html" title="The Requi
em Red">
        The Requiem Red
       </a>
      </h3>
      <div class="product_price">
       <p class="price_color">
        £22.65
       </p>
       <p class="instock availability">
        <i class="icon-ok">
        </i>
        In stock
       </p>
       <form>
        <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
         Add to basket
        </button>
       </form>
      </div>
     </article>
    </li>
    <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
     <article class="product_pod">
      <div class="image_container">
       <a href="catalogue/the-dirty-little-secrets-of-getting-your-dream-j
ob_994/index.html">
        <img alt="The Dirty Little Secrets of Getting Your Dream Job" clas
s="thumbnail" src="media/cache/92/27/92274a95b7c251fea59a2b8a78275ab4.jpg"/>
       </a>
      </div>
      <p class="star-rating Four">
       <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>
      </p>
      <h3>
       <a href="catalogue/the-dirty-little-secrets-of-getting-your-dream-j
ob_994/index.html" title="The Dirty Little Secrets of Getting Your Dream Job">
        The Dirty Little Secrets ...
       </a>
```

```html
          </h3>
          <div class="product_price">
           <p class="price_color">
            £33.34
           </p>
           <p class="instock availability">
            <i class="icon-ok">
            </i>
            In stock
           </p>
           <form>
            <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
             Add to basket
            </button>
           </form>
          </div>
         </article>
        </li>
        <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
         <article class="product_pod">
          <div class="image_container">
           <a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-th
e-infamous-feminist-victoria-woodhull_993/index.html">
            <img alt="The Coming Woman: A Novel Based on the Life of the Infam
ous Feminist, Victoria Woodhull" class="thumbnail" src="media/cache/3d/54/3d549
40e57e662c4dd1f3ff00c78cc64.jpg"/>
           </a>
          </div>
          <p class="star-rating Three">
           <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>
          </p>
          <h3>
           <a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-th
e-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">
           <p class="price_color">
            £17.93
           </p>
           <p class="instock availability">
            <i class="icon-ok">
```

```
                </i>
                 In stock
                </p>
                <form>
                <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
                  Add to basket
                </button>
                </form>
               </div>
              </article>
             </li>
             <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
              <article class="product_pod">
               <div class="image_container">
                <a href="catalogue/the-boys-in-the-boat-nine-americans-and-their-ep
ic-quest-for-gold-at-the-1936-berlin-olympics_992/index.html">
                 <img alt="The Boys in the Boat: Nine Americans and Their Epic Ques
t for Gold at the 1936 Berlin Olympics" class="thumbnail" src="media/cache/66/8
8/66883b91f6804b2323c8369331cb7dd1.jpg"/>
                </a>
               </div>
               <p class="star-rating Four">
                <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>
               </p>
               <h3>
                <a href="catalogue/the-boys-in-the-boat-nine-americans-and-their-ep
ic-quest-for-gold-at-the-1936-berlin-olympics_992/index.html" title="The Boys i
n the Boat: Nine Americans and Their Epic Quest for Gold at the 1936 Berlin Oly
mpics">
                 The Boys in the ...
                </a>
               </h3>
               <div class="product_price">
                <p class="price_color">
                 £22.60
                </p>
                <p class="instock availability">
                 <i class="icon-ok">
                 </i>
                 In stock
                </p>
                <form>
                <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
```

```
        Add to basket
       </button>
      </form>
     </div>
    </article>
   </li>
   <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
    <article class="product_pod">
     <div class="image_container">
      <a href="catalogue/the-black-maria_991/index.html">
       <img alt="The Black Maria" class="thumbnail" src="media/cache/58/4
6/5846057e28022268153beff6d352b06c.jpg"/>
      </a>
     </div>
     <p class="star-rating One">
      <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>
     </p>
     <h3>
      <a href="catalogue/the-black-maria_991/index.html" title="The Black
Maria">
       The Black Maria
      </a>
     </h3>
     <div class="product_price">
      <p class="price_color">
       £52.15
      </p>
      <p class="instock availability">
       <i class="icon-ok">
       </i>
       In stock
      </p>
      <form>
       <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
        Add to basket
       </button>
      </form>
     </div>
    </article>
   </li>
   <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
    <article class="product_pod">
     <div class="image_container">
      <a href="catalogue/starving-hearts-triangular-trade-trilogy-1_990/i
```

```
ndex.html">
            <img alt="Starving Hearts (Triangular Trade Trilogy, #1)" class="t
humbnail" src="media/cache/be/f4/bef44da28c98f905a3ebec0b87be8530.jpg"/>
           </a>
          </div>
          <p class="star-rating Two">
           <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>
          </p>
          <h3>
           <a href="catalogue/starving-hearts-triangular-trade-trilogy-1_990/i
ndex.html" title="Starving Hearts (Triangular Trade Trilogy, #1)">
            Starving Hearts (Triangular Trade ...
           </a>
          </h3>
          <div class="product_price">
           <p class="price_color">
            £13.99
           </p>
           <p class="instock availability">
            <i class="icon-ok">
            </i>
            In stock
           </p>
           <form>
            <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
             Add to basket
            </button>
           </form>
          </div>
         </article>
        </li>
        <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
         <article class="product_pod">
          <div class="image_container">
           <a href="catalogue/shakespeares-sonnets_989/index.html">
            <img alt="Shakespeare's Sonnets" class="thumbnail" src="media/cach
e/10/48/1048f63d3b5061cd2f424d20b3f9b666.jpg"/>
           </a>
          </div>
          <p class="star-rating Four">
           <i class="icon-star">
           </i>
           <i class="icon-star">
           </i>
```

```html
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
          <i class="icon-star">
          </i>
         </p>
         <h3>
          <a href="catalogue/shakespeares-sonnets_989/index.html" title="Shak
espeare's Sonnets">
           Shakespeare's Sonnets
          </a>
         </h3>
         <div class="product_price">
          <p class="price_color">
           £20.66
          </p>
          <p class="instock availability">
           <i class="icon-ok">
           </i>
           In stock
          </p>
          <form>
           <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
            Add to basket
           </button>
          </form>
         </div>
        </article>
       </li>
       <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
        <article class="product_pod">
         <div class="image_container">
          <a href="catalogue/set-me-free_988/index.html">
           <img alt="Set Me Free" class="thumbnail" src="media/cache/5b/88/5b
88c52633f53cacf162c15f4f823153.jpg"/>
          </a>
         </div>
         <p class="star-rating Five">
          <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>
         </p>
         <h3>
          <a href="catalogue/set-me-free_988/index.html" title="Set Me Free">
           Set Me Free
```

```html
        </a>
       </h3>
       <div class="product_price">
        <p class="price_color">
         £17.46
        </p>
        <p class="instock availability">
         <i class="icon-ok">
         </i>
         In stock
        </p>
        <form>
         <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
          Add to basket
         </button>
        </form>
       </div>
      </article>
     </li>
     <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
      <article class="product_pod">
       <div class="image_container">
        <a href="catalogue/scott-pilgrims-precious-little-life-scott-pilgri
m-1_987/index.html">
         <img alt="Scott Pilgrim's Precious Little Life (Scott Pilgrim #1)"
class="thumbnail" src="media/cache/94/b1/94b1b8b244bce9677c2f29ccc890d4d2.jp
g"/>
        </a>
       </div>
       <p class="star-rating Five">
        <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>
       </p>
       <h3>
        <a href="catalogue/scott-pilgrims-precious-little-life-scott-pilgri
m-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">
        <p class="price_color">
         £52.29
        </p>
        <p class="instock availability">
```

```html
          <i class="icon-ok">
          </i>
          In stock
        </p>
        <form>
          <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
            Add to basket
          </button>
        </form>
      </div>
     </article>
    </li>
    <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
     <article class="product_pod">
      <div class="image_container">
       <a href="catalogue/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>
      <p class="star-rating Five">
       <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>
      </p>
      <h3>
       <a href="catalogue/rip-it-up-and-start-again_986/index.html" titl
e="Rip it Up and Start Again">
        Rip it Up and ...
       </a>
      </h3>
      <div class="product_price">
       <p class="price_color">
        £35.02
       </p>
       <p class="instock availability">
        <i class="icon-ok">
        </i>
        In stock
       </p>
       <form>
        <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
         Add to basket
        </button>
       </form>
```

```html
        </div>
       </article>
      </li>
      <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
       <article class="product_pod">
        <div class="image_container">
         <a href="catalogue/our-band-could-be-your-life-scenes-from-the-amer
ican-indie-underground-1981-1991_985/index.html">
          <img alt="Our Band Could Be Your Life: Scenes from the American In
die Underground, 1981-1991" class="thumbnail" src="media/cache/54/60/54607fe894
5897cdcced0044103b10b6.jpg"/>
         </a>
        </div>
        <p class="star-rating Three">
         <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>
        </p>
        <h3>
         <a href="catalogue/our-band-could-be-your-life-scenes-from-the-amer
ican-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">
         <p class="price_color">
          £57.25
         </p>
         <p class="instock availability">
          <i class="icon-ok">
          </i>
          In stock
         </p>
         <form>
          <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
           Add to basket
          </button>
         </form>
        </div>
       </article>
      </li>
      <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
       <article class="product_pod">
        <div class="image_container">
         <a href="catalogue/olio_984/index.html">
```

```html
        <img alt="Olio" class="thumbnail" src="media/cache/55/33/553310a71
62dfbc2c6d19a84da0df9e1.jpg"/>
       </a>
      </div>
      <p class="star-rating One">
       <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>
      </p>
      <h3>
       <a href="catalogue/olio_984/index.html" title="Olio">
        Olio
       </a>
      </h3>
      <div class="product_price">
       <p class="price_color">
        £23.88
       </p>
       <p class="instock availability">
        <i class="icon-ok">
        </i>
        In stock
       </p>
       <form>
        <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
         Add to basket
        </button>
       </form>
      </div>
     </article>
    </li>
    <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
     <article class="product_pod">
      <div class="image_container">
       <a href="catalogue/mesaerion-the-best-science-fiction-stories-180
0-1849_983/index.html">
        <img alt="Mesaerion: The Best Science Fiction Stories 1800-1849" c
lass="thumbnail" src="media/cache/09/a3/09a3aef48557576e1a85ba7efea8ecb7.jpg"/>
       </a>
      </div>
      <p class="star-rating One">
       <i class="icon-star">
       </i>
       <i class="icon-star">
       </i>
       <i class="icon-star">
```

```html
        </i>
        <i class="icon-star">
        </i>
        <i class="icon-star">
        </i>
       </p>
       <h3>
        <a href="catalogue/mesaerion-the-best-science-fiction-stories-180
0-1849_983/index.html" title="Mesaerion: The Best Science Fiction Stories 180
0-1849">
         Mesaerion: The Best Science ...
        </a>
       </h3>
       <div class="product_price">
        <p class="price_color">
         £37.59
        </p>
        <p class="instock availability">
         <i class="icon-ok">
         </i>
         In stock
        </p>
        <form>
         <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
          Add to basket
         </button>
        </form>
       </div>
      </article>
     </li>
     <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
      <article class="product_pod">
       <div class="image_container">
        <a href="catalogue/libertarianism-for-beginners_982/index.html">
         <img alt="Libertarianism for Beginners" class="thumbnail" src="med
ia/cache/0b/bc/0bbcd0a6f4bcd81ccb1049a52736406e.jpg"/>
        </a>
       </div>
       <p class="star-rating Two">
        <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>
       </p>
       <h3>
        <a href="catalogue/libertarianism-for-beginners_982/index.html" tit
le="Libertarianism for Beginners">
```

```html
          Libertarianism for Beginners
        </a>
      </h3>
      <div class="product_price">
       <p class="price_color">
        £51.33
       </p>
       <p class="instock availability">
        <i class="icon-ok">
        </i>
        In stock
       </p>
       <form>
        <button class="btn btn-primary btn-block" data-loading-text="Addin
g..." type="submit">
         Add to basket
        </button>
       </form>
      </div>
     </article>
    </li>
    <li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
     <article class="product_pod">
      <div class="image_container">
       <a href="catalogue/its-only-the-himalayas_981/index.html">
        <img alt="It's Only the Himalayas" class="thumbnail" src="media/ca
che/27/a5/27a53d0bb95bdd88288eaf66c9230d7e.jpg"/>
       </a>
      </div>
      <p class="star-rating Two">
       <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>
      </p>
      <h3>
       <a href="catalogue/its-only-the-himalayas_981/index.html" title="I
t's Only the Himalayas">
        It's Only the Himalayas
       </a>
      </h3>
      <div class="product_price">
       <p class="price_color">
        £45.17
       </p>
       <p class="instock availability">
        <i class="icon-ok">
        </i>
```

```html
          In stock
        </p>
        <form>
         <button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">
           Add to basket
         </button>
        </form>
       </div>
      </article>
     </li>
    </ol>
    <div>
     <ul class="pager">
      <li class="current">
       Page 1 of 50
      </li>
      <li class="next">
       <a href="catalogue/page-2.html">
        next
       </a>
      </li>
     </ul>
    </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 src="static/oscar/js/jquery/jquery-1.9.1.min.js"><\/script>')
 </script>
 <!-- Twitter Bootstrap -->
 <script src="static/oscar/js/bootstrap3/bootstrap.min.js" type="text/javascript">
 </script>
 <!-- Oscar -->
 <script charset="utf-8" src="static/oscar/js/oscar/ui.js" type="text/javascript">
 </script>
 <script charset="utf-8" src="static/oscar/js/bootstrap-datetimepicker/bootstrap-datetimepicker.js" type="text/javascript">
 </script>
```

```
    <script charset="utf-8" src="static/oscar/js/bootstrap-datetimepicker/locale
s/bootstrap-datetimepicker.all.js" type="text/javascript">
    </script>
    <script type="text/javascript">
     $(function() {


        oscar.init();

        oscar.search.init();

            });
    </script>
    <!-- Version: N/A -->
  </body>
</html>
```

Find The Title

In [13]: `soup.title`

Out[13]:
```
<title>
      All products | Books to Scrape - Sandbox
</title>
```

Find Title Tag

In [39]: `print(soup.title.text)`
```
   All products | Books to Scrape - Sandbox
```

Find Heading (h1)

In [40]: `print(soup.find("h1").text)`
```
All products
```

Find Paragraph (p)

In [41]:
```
para = soup.find("p")
print(para.text)
```

FIND ELEMENT BY CLASS

Find Paragraph by Class

In [42]:
```python
price = soup.find("p", class_="price_color")
print(price.text)
```
£51.77

Find All Paragraphs by Class

In [43]:
```python
prices = soup.find_all("p", class_="price_color")

for p in prices:
    print(p.text)
```
£51.77
£53.74
£50.10
£47.82
£54.23
£22.65
£33.34
£17.93
£22.60
£52.15
£13.99
£20.66
£17.46
£52.29
£35.02
£57.25
£23.88
£37.59
£51.33
£45.17

Find Element with Multiple Classes

In [44]:
```python
availability = soup.find("p", class_="instock availability")
print(availability.text.strip())
```

In stock

FIND ELEMENT INSIDE ANOTHER ELEMENT

Find Book Title Inside Book Container

In [45]:
```python
books = soup.find_all("article", class_="product_pod")

for book in books:
    title = book.h3.a["title"]
    print(title)
```

A Light in the Attic
Tipping the Velvet
Soumission
Sharp Objects
Sapiens: A Brief History of Humankind
The Requiem Red
The Dirty Little Secrets of Getting Your Dream Job
The Coming Woman: A Novel Based on the Life of the Infamous Feminist, Victoria Woodhull
The Boys in the Boat: Nine Americans and Their Epic Quest for Gold at the 1936 Berlin Olympics
The Black Maria
Starving Hearts (Triangular Trade Trilogy, #1)
Shakespeare's Sonnets
Set Me Free
Scott Pilgrim's Precious Little Life (Scott Pilgrim #1)
Rip it Up and Start Again
Our Band Could Be Your Life: Scenes from the American Indie Underground, 1981-1991
Olio
Mesaerion: The Best Science Fiction Stories 1800-1849
Libertarianism for Beginners
It's Only the Himalayas

FIND ELEMENT BY ATTRIBUTE

Find Link (a tag)

```
In [46]:   link = soup.find("a")["href"]
           print(link)
```

index.html

Find Image Source

```
In [47]:   img = soup.find("img")["src"]
           print(img)
```

media/cache/2c/da/2cdad67c44b002e7ead0cc35693c0e8b.jpg

```
In [ ]:
```

```
In [ ]:
```

```
In [ ]:
```

```
In [ ]:
```

```
In [14]:   soup.title.name
```

```
Out[14]:   'title'
```

Find All Book Containers

```
In [32]:   books = soup.find_all("article", class_="product_pod")
           print("Total books on page:", len(books))
```

Total books on page: 20

Extract Book Details (Title, Price, Rating, Availability)

```
In [33]:   data = []

           for book in books:
               title = book.h3.a["title"]
               price = book.find("p", class_="price_color").text
```

```
    rating = book.p["class"][1]
    availability = book.find("p", class_="instock availability").text.strip()

    data.append({
        "Title": title,
        "Price": price,
        "Rating": rating,
        "Availability": availability
    })
```

In [34]: `data`

```
Out[34]: [{'Title': 'A Light in the Attic',
          'Price': '£51.77',
          'Rating': 'Three',
          'Availability': 'In stock'},
         {'Title': 'Tipping the Velvet',
          'Price': '£53.74',
          'Rating': 'One',
          'Availability': 'In stock'},
         {'Title': 'Soumission',
          'Price': '£50.10',
          'Rating': 'One',
          'Availability': 'In stock'},
         {'Title': 'Sharp Objects',
          'Price': '£47.82',
          'Rating': 'Four',
          'Availability': 'In stock'},
         {'Title': 'Sapiens: A Brief History of Humankind',
          'Price': '£54.23',
          'Rating': 'Five',
          'Availability': 'In stock'},
         {'Title': 'The Requiem Red',
          'Price': '£22.65',
          'Rating': 'One',
          'Availability': 'In stock'},
         {'Title': 'The Dirty Little Secrets of Getting Your Dream Job',
          'Price': '£33.34',
          'Rating': 'Four',
          'Availability': 'In stock'},
         {'Title': 'The Coming Woman: A Novel Based on the Life of the Infamous Femin
    ist, Victoria Woodhull',
          'Price': '£17.93',
          'Rating': 'Three',
          'Availability': 'In stock'},
         {'Title': 'The Boys in the Boat: Nine Americans and Their Epic Quest for Gol
    d at the 1936 Berlin Olympics',
          'Price': '£22.60',
          'Rating': 'Four',
          'Availability': 'In stock'},
         {'Title': 'The Black Maria',
          'Price': '£52.15',
          'Rating': 'One',
          'Availability': 'In stock'},
         {'Title': 'Starving Hearts (Triangular Trade Trilogy, #1)',
          'Price': '£13.99',
          'Rating': 'Two',
          'Availability': 'In stock'},
         {'Title': "Shakespeare's Sonnets",
          'Price': '£20.66',
          'Rating': 'Four',
          'Availability': 'In stock'},
         {'Title': 'Set Me Free',
          'Price': '£17.46',
          'Rating': 'Five',
          'Availability': 'In stock'},
```

```
 {'Title': "Scott Pilgrim's Precious Little Life (Scott Pilgrim #1)",
  'Price': '£52.29',
  'Rating': 'Five',
  'Availability': 'In stock'},
 {'Title': 'Rip it Up and Start Again',
  'Price': '£35.02',
  'Rating': 'Five',
  'Availability': 'In stock'},
 {'Title': 'Our Band Could Be Your Life: Scenes from the American Indie Under
ground, 1981-1991',
  'Price': '£57.25',
  'Rating': 'Three',
  'Availability': 'In stock'},
 {'Title': 'Olio',
  'Price': '£23.88',
  'Rating': 'One',
  'Availability': 'In stock'},
 {'Title': 'Mesaerion: The Best Science Fiction Stories 1800-1849',
  'Price': '£37.59',
  'Rating': 'One',
  'Availability': 'In stock'},
 {'Title': 'Libertarianism for Beginners',
  'Price': '£51.33',
  'Rating': 'Two',
  'Availability': 'In stock'},
 {'Title': "It's Only the Himalayas",
  'Price': '£45.17',
  'Rating': 'Two',
  'Availability': 'In stock'}]
```

In [37]:
```python
df = pd.DataFrame(data)
df.head()
```

Out[37]:

	Title	Price	Rating	Availability
0	A Light in the Attic	£51.77	Three	In stock
1	Tipping the Velvet	£53.74	One	In stock
2	Soumission	£50.10	One	In stock
3	Sharp Objects	£47.82	Four	In stock
4	Sapiens: A Brief History of Humankind	£54.23	Five	In stock

In [36]:
```python
import pandas as pd
```

In [38]:
```python
df.to_csv("books_page1_data.csv", index=False)
print("CSV file saved successfully")
```

CSV file saved successfully

In [ ]: