Web Scraping

```
In [1]:
       !pip install beautifulsoup4
       Requirement already satisfied: beautifulsoup4 in c:\users\gadir\anaconda3\lib\site-package
       s (4.10.0)
       Requirement already satisfied: soupsieve>1.2 in c:\users\gadir\anaconda3\lib\site-packages
       (from beautifulsoup4) (2.2.1)
In [2]:
       import requests
       import pandas as pd
In [3]:
       baseurl = "http://books.toscrape.com/"
       r=requests.get(baseurl)
       r.content
       -ie7"> <![endif]-->\n<!--[if IE 7]>
                                             <html lang="en-us" class="no-js lt-ie9 lt-ie</pre>
       8"> <![endif]-->\n<!--[if IE 8]>
                                            <html lang="en-us" class="no-js lt-ie9"> <![endi
       f]-->\n<!--[if gt IE 8]><!--> <html lang="en-us" class="no-js"> <!--<![endif]-->\n
                  <title>\n All products | Books to Scrape - Sandbox\n</title>\n\n
       ta http-equiv="content-type" content="text/html; charset=UTF-8" />\n
                                                                            <meta name="cr
       eated" content="24th Jun 2016 09:29" />\n
                                                <meta name="description" content="" />\n
             <meta name="viewport" content="width=device-width" />\n
                                                                  <meta name="robots"</pre>
       content="NOARCHIVE, NOCACHE" />\n\n <!-- Le HTML5 shim, for IE6-8 support of HTML el
                        <!--[if lt IE 9]>\n
                                                 <script src="//html5shim.googlecode.com/sv</pre>
       ements -->\n
       n/trunk/html5.js"></script>\n
                                         <![endif]-->\n\n
                                                                            <link rel="shor</pre>
       tcut icon" href="static/oscar/favicon.ico" />\n
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               <link rel="stylesheet" type="text/css" href="static/oscar/css/styles.css" />\n
             <link rel="stylesheet" href="static/oscar/js/bootstrap-datetimepicker/bootstrap-da</pre>
       tetimepicker.css" />\n link rel="stylesheet" type="text/css" href="static/oscar/css/da
       tetimepicker.css" />\n\n\n
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                                          <body id="default" class="default">\n
            \n\n
                             </head>\n\n
                           <header class="header container-fluid">\n
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                                                                        <div class="page in
                                                         <div class="col-sm-8 h1"><a href="in
                        <div class="row">\n
       dex.html">Books to Scrape</a><small> We love being scraped!</small>\n</div>\n\n
                        </div>\n
                                   </div>\n </header>\n\n \n \n<div class="contai"
                         <div class="page inner">\n
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       ner-fluid page">\n
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                            <a href="index.html">Home</a>\n
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       tive">All products
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       s="sidebar col-sm-4 col-md-3">\n
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                <div class="side categories">\n
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       s 1/index.html">\n
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          <a href="catalogue/category/books/travel 2/index.html">\n
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                                    Travel\n
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           </a>\n\n

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                                                  <a href="catalogue/category/books/mystery">
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       3/index.html">\n
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          <a href="catalogue/category/books/historical-fiction 4/index.html">\n
                                                Historical Fiction\n
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       e/category/books/sequential-art 5/index.html">\n
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nce 8/index.html">\n
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         <a href="catalogue/category/books/womens-fiction 9/index.html">\n
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ategory/books/fiction 10/index.html">\n
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alogue/category/books/religion 12/index.html">\n
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                   Religion\n
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x.html">\n
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<a href="catalogue/category/books/music 14/index.html">\n
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y/books/sports-and-games 17/index.html">\n
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             Sports and Games\n
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                                       <a href="catalogue/category/books/add-a-comment 18/
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index.html">\n
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ew Adult\n
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e/category/books/science 22/index.html">\n
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gue/category/books/paranormal 24/index.html">\n
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talogue/category/books/psychology 26/index.html">\n
                       Psychology\n
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                                           <a href="catalogue/category/books/autobiography"
27/index.html">\n
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books/adult-fiction 29/index.html">\n
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                              <a href="catalogue/category/books/humor 30/index.html">\n
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e/category/books/horror 31/index.html">\n
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gue/category/books/food-and-drink 33/index.html">\n
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fiction 34/index.html">\n
istian Fiction\n
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e/category/books/biography 36/index.html">\n
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f="catalogue/category/books/contemporary 38/index.html">\n
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ituality 39/index.html">\n
irituality\n
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ategory/books/self-help 41/index.html">\n
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="catalogue/category/books/christian 43/index.html">\n
                       Christian\n
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ndex.html">\n
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                                                                    Suspense\n
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 <a href="catalogue/category/books/short-stories 45/index.html">\n
                                   Short Stories\n
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ooks/novels 46/index.html">\n
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Novels\n
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             <a href="catalogue/category/books/health 47/index.html">\n
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oks/politics 48/index.html">\n
 Politics\n
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                 <a href="catalogue/category/books/cultural 49/index.html">\n
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ategory/books/erotica 50/index.html">\n
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         Erotica\n
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                        <a href="catalogue/category/books/crime 51/index.html">\n
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                                                  Crime\n
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                    </div>\n
                                                   </aside>\n\n
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                                                                         <div clas
s="col-sm-8 col-md-9">\n
                                                    <div class="page-header action">
                                    \n
                    <h1>All products</h1>\n
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                                                                   <div id="promoti
             \n \n \n \div id="messages">\n \n \div>\n \n
                                         </div>\n\n
                                                                     <form method
="get" class="form-horizontal">\n
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                                              <div style="display:none">\n
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     <strong>1000</strong> results - showing <strong>1</strong> to <strong>20</strong>.\n
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              <div class="alert alert-warning" role="alert"><strong>Warning!</strong> Th
is is a demo website for web scraping purposes. Prices and ratings here were randomly assi
                                               <div>\n
gned and have no real meaning.</div>\n\n
                                                                    <ol class="ro
                                              ol-lg-3">\n\n\n\n\n\n
                        <article class="product pod">\n
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="image container">\n
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                                                                         <a href
="catalogue/a-light-in-the-attic 1000/index.html"><img src="media/cache/2c/da/2cdad67c44b0
02e7ead0cc35693c0e8b.jpg" alt="A Light in the Attic" class="thumbnail"></a>\n
                                   </div>\n
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                                                      <i class="icon-star"></i>\n
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atalogue/a-light-in-the-attic 1000/index.html" title="A Light in the Attic">A Light in the
...</a></h3>\n
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                                           <div class="product price">\n
                            \xc2\xa351.77\n
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                           <i class="icon-ok"></i>\n
                                                               In stock\n
="instock availability">\n
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type="submit" class="btn btn-primary btn-block" data-loading-text="Adding...">Add to baske
              </form>\n\n
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                              <article class="product pod">\n
-md-3 col-lg-3">\n\n\n\n\n\n
v class="image container">\n
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href="catalogue/tipping-the-velvet 999/index.html"><img src="media/cache/26/0c/260c6ae16bc
e31c8f8c95daddd9f4a1c.jpg" alt="Tipping the Velvet" class="thumbnail"></a>\n
                                 </div>\n
                                              \n\n
                                                  <i class="icon-star"></i>\n
       \n
            <i class="icon-star"></i>\n
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                               \n
ogue/tipping-the-velvet 999/index.html" title="Tipping the Velvet">Tipping the Velvet</a>
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                                   <div class="product price">\n
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k availability">\n
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mit" class="btn btn-primary btn-block" data-loading-text="Adding...">Add to basket</button
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="image container">\n
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="catalogue/soumission 998/index.html"><img src="media/cache/3e/ef/3eef99c9d9adef34639f510"
662022830.jpg" alt="Soumission" class="thumbnail"></a>\n
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ar-rating One">\n
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class="icon-star"></i>\n
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ndex.html" title="Soumission">Soumission</a></h3>\n
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                               <a href="catalogue/sharp-objects 997/index.html"><img</pre>
src="media/cache/32/51/3251cf3a3412f53f339e42cac2134093.jpg" alt="Sharp Objects" class="th
umbnail"></a>\n
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                                  \n
                                              <div class="product price">\n
p Objects</a></h3>\n
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                                <article class="product pod">\n
<div class="image container">\n
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<a href="catalogue/sapiens-a-brief-history-of-humankind 996/index.html"><img src="media/ca")</pre>
che/be/a5/bea5697f2534a2f86a3ef27b5a8c12a6.jpg" alt="Sapiens: A Brief History of Humankin
d" class="thumbnail"></a>\n
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dex.html" title="Sapiens: A Brief History of Humankind">Sapiens: A Brief History ...</a></
                                  <div class="product price">\n
h3>\n
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alogue/the-requiem-red 995/index.html"><img src="media/cache/68/33/68339b4c9bc034267e1da61
1ab3b34f8.jpg" alt="The Requiem Red" class="thumbnail"></a>\n
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s="star-rating One">\n
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m-red 995/index.html" title="The Requiem Red">The Requiem Red</a></h3>\n
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p class="price color">\xc2\xa322.65\n \n\n\n
class="icon-ok"></i>\n
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ry btn-block" data-loading-text="Adding...">Add to basket</button>\n
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<article class="product pod">\n
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                                            <div class="image container">\n
                                            <a href="catalogue/the-dirty-little-</pre>
secrets-of-getting-your-dream-job 994/index.html"><img src="media/cache/92/27/92274a95b7c2"
51fea59a2b8a78275ab4.jpg" alt="The Dirty Little Secrets of Getting Your Dream Job" class
="thumbnail"></a>\n
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le Secrets ...</a></h3>\n
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ng Woman: A Novel Based on the Life of the Infamous Feminist, Victoria Woodhull">The Comin
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936 Berlin Olympics">The Boys in the ...</a></h3>\n \n
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1"><img src="media/cache/be/f4/bef44da28c98f905a3ebec0b87be8530.jpg" alt="Starving Hearts
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      que/page-2.html">next</a>\n
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        </div><!-- /page inner -->\n</div><!-- /container-fluid -->\n\n \n<footer class="f
      ooter container-fluid">\n \n
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            (\'<script src="static/oscar/js/jquery/jquery-1.9.1.min.js"><\\/script>\')</script>\n
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      et="utf-8"></script>\n\n <script src="static/oscar/js/bootstrap-datetimepicker/bootstra
      p-datetimepicker.js" type="text/javascript" charset="utf-8"></script>\n <script src="st
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In [4]:
      from bs4 import BeautifulSoup
In [5]:
      soup=BeautifulSoup(r.content)
      soup
      <!DOCTYPE html>
Out[5]:
      <!--[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"> <![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-datetimepicker.css" rel="st</pre>
      ylesheet"/>
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      </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 scr
      aped!</small>
      </div>
      </div>
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</div>
</header>
<div class="container-fluid page">
<div class="page inner">
<1i>>
<a href="index.html">Home</a>
All products
<div class="row">
<aside class="sidebar col-sm-4 col-md-3">
<div id="promotions left">
</div>
<div class="side categories">
<1i>>
<a href="catalogue/category/books 1/index.html">
                             Books
                     </a>
<l
<1i>>
<a href="catalogue/category/books/travel 2/index.html">
                             Travel
                     </a>
<1i>>
<a href="catalogue/category/books/mystery 3/index.html">
                             Mystery
                      </a>
<1i>>
<a href="catalogue/category/books/historical-fiction 4/index.html">
                             Historical Fiction
                      </a>
<1i>>
<a href="catalogue/category/books/sequential-art 5/index.html">
                             Sequential Art
                     </a>
<1i>>
<a href="catalogue/category/books/classics 6/index.html">
                             Classics
                     </a>
<1i>>
<a href="catalogue/category/books/philosophy 7/index.html">
                             Philosophy
                      </a>
```

<

```
Romance
                       </a>
<1i>>
<a href="catalogue/category/books/womens-fiction 9/index.html">
                               Womens Fiction
                       </a>
<1i>>
<a href="catalogue/category/books/fiction 10/index.html">
                               Fiction
                       </a>
<1i>>
<a href="catalogue/category/books/childrens 11/index.html">
                               Childrens
                       </a>
<1i>>
<a href="catalogue/category/books/religion 12/index.html">
                               Religion
                       </a>
<1i>>
<a href="catalogue/category/books/nonfiction 13/index.html">
                               Nonfiction
                       </a>
<1i>>
<a href="catalogue/category/books/music 14/index.html">
                               Music
                       </a>
<1i>>
<a href="catalogue/category/books/default 15/index.html">
                               Default
                       </a>
<1i>>
<a href="catalogue/category/books/science-fiction 16/index.html">
                               Science Fiction
                       </a>
<1i>>
<a href="catalogue/category/books/sports-and-games 17/index.html">
```

Sports and Games


```
<1i>>
<a href="catalogue/category/books/add-a-comment 18/index.html">
                              Add a comment
                       </a>
<1i>>
<a href="catalogue/category/books/fantasy 19/index.html">
                               Fantasy
                       </a>
<1i>>
<a href="catalogue/category/books/new-adult 20/index.html">
                              New Adult
                       </a>
<1i>>
<a href="catalogue/category/books/young-adult 21/index.html">
                              Young Adult
                       </a>
<1i>>
<a href="catalogue/category/books/science 22/index.html">
                               Science
                       </a>
<1i>>
<a href="catalogue/category/books/poetry 23/index.html">
                               Poetry
                       </a>
<1i>>
<a href="catalogue/category/books/paranormal 24/index.html">
                               Paranormal
                       </a>
<1i>>
<a href="catalogue/category/books/art 25/index.html">
                              Art
                       </a>
<a href="catalogue/category/books/psychology 26/index.html">
                               Psychology
```



```
<1i>>
<a href="catalogue/category/books/autobiography 27/index.html">
                               Autobiography
                       </a>
<1i>>
<a href="catalogue/category/books/parenting 28/index.html">
                               Parenting
                       </a>
<1i>>
<a href="catalogue/category/books/adult-fiction 29/index.html">
                               Adult Fiction
                       </a>
<1i>>
<a href="catalogue/category/books/humor 30/index.html">
                               Humor
                       </a>
<1i>>
<a href="catalogue/category/books/horror 31/index.html">
                               Horror
                       </a>
<1i>>
<a href="catalogue/category/books/history 32/index.html">
                               History
                       </a>
<1i>>
<a href="catalogue/category/books/food-and-drink 33/index.html">
                               Food and Drink
                       </a>
<1i>>
<a href="catalogue/category/books/christian-fiction 34/index.html">
                               Christian Fiction
                       </a>
<1i>>
<a href="catalogue/category/books/business 35/index.html">
                               Business
                       </a>
<1i>>
<a href="catalogue/category/books/biography 36/index.html">
```

```
</a>
<1i>>
<a href="catalogue/category/books/thriller 37/index.html">
                               Thriller
                       </a>
<1i>>
<a href="catalogue/category/books/contemporary 38/index.html">
                               Contemporary
                       </a>
<1i>>
<a href="catalogue/category/books/spirituality 39/index.html">
                               Spirituality
                       </a>
<1i>>
<a href="catalogue/category/books/academic 40/index.html">
                               Academic
                       </a>
<1i>>
<a href="catalogue/category/books/self-help 41/index.html">
                               Self Help
                       </a>
<1i>>
<a href="catalogue/category/books/historical 42/index.html">
                               Historical
                       </a>
<1i>>
<a href="catalogue/category/books/christian 43/index.html">
                               Christian
                       </a>
<1i>>
<a href="catalogue/category/books/suspense 44/index.html">
                               Suspense
                       </a>
<1i>>
<a href="catalogue/category/books/short-stories_45/index.html">
```

Short Stories

Biography

```
<1i>>
<a href="catalogue/category/books/novels 46/index.html">
                              Novels
                       </a>
<1i>>
<a href="catalogue/category/books/health 47/index.html">
                              Health
                       </a>
<1i>>
<a href="catalogue/category/books/politics 48/index.html">
                               Politics
                       </a>
<1i>>
<a href="catalogue/category/books/cultural 49/index.html">
                              Cultural
                       </a>
<1i>>
<a href="catalogue/category/books/erotica 50/index.html">
                              Erotica
                       </a>
<1i>>
<a href="catalogue/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">
<form class="form-horizontal" method="get">
<div style="display:none">
<strong>1000</strong> results - showing <strong>1</strong> to <strong>20</strong>.
```

```
<section>
<div class="alert alert-warning" role="alert"><strong>Warning!</strong> This is a demo web
```

</form>

```
site 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="catalogue/a-light-in-the-attic 1000/index.html"><img alt="A Light in the Attic" c
lass="thumbnail" src="media/cache/2c/da/2cdad67c44b002e7ead0cc35693c0e8b.jpg"/></a>
</div>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="catalogue/a-light-in-the-attic 1000/index.html" title="A Light in the Attic">
A Light in the \dots </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-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/tipping-the-velvet 999/index.html"><img alt="Tipping the Velvet" class</pre>
="thumbnail" src="media/cache/26/0c/260c6ae16bce31c8f8c95daddd9f4a1c.jpg"/></a>
</div>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="catalogue/tipping-the-velvet 999/index.html" title="Tipping the Velvet">Tippi
ng the Velvet</a></h3>
<div class="product price">
£53.74
<i class="icon-ok"></i>
      In stock
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product_pod">
```

```
<div class="image container">
<a href="catalogue/soumission 998/index.html"><img alt="Soumission" class="thumbnail" src</pre>
="media/cache/3e/ef/3eef99c9d9adef34639f510662022830.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="catalogue/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-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/sharp-objects 997/index.html"><img alt="Sharp Objects" class="thumbnai</pre>
l" 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>
<i class="icon-star"></i>
<h3><a href="catalogue/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
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/sapiens-a-brief-history-of-humankind 996/index.html"><img alt="Sapiens:</pre>
A Brief History of Humankind" class="thumbnail" src="media/cache/be/a5/bea5697f2534a2f86a3
ef27b5a8c12a6.jpg"/></a>
</div>
<i class="icon-star"></i>
```

```
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<q\>
<h3><a href="catalogue/sapiens-a-brief-history-of-humankind 996/index.html" title="Sapien
s: 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>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="catalogue/the-requiem-red 995/index.html"><img alt="The Requiem Red" class="thumb
nail" src="media/cache/68/33/68339b4c9bc034267e1da611ab3b34f8.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<h3><a href="catalogue/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
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/the-dirty-little-secrets-of-getting-your-dream-job 994/index.html"><img</pre>
alt="The Dirty Little Secrets of Getting Your Dream Job" class="thumbnail" src="media/cach
e/92/27/92274a95b7c251fea59a2b8a78275ab4.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
```

```
<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>
<div class="product price">
£33.34
<i class="icon-ok"></i>
              In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist-vic">
toria-woodhull 993/index.html"><img alt="The Coming Woman: A Novel Based on the Life of th
e Infamous Feminist, Victoria Woodhull" class="thumbnail" src="media/cache/3d/54/3d54940e5
7e662c4dd1f3ff00c78cc64.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-infamous-feminist"><a href="catalogue-the-coming-woman-a-novel-based-on-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-the-life-of-t
-victoria-woodhull 993/index.html" title="The Coming Woman: A Novel Based on the Life of t
he 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-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="catalogue/the-boys-in-the-boat-nine-americans-and-their-epic-quest-for-gold-at-th">-th
e-1936-berlin-olympics 992/index.html"><img alt="The 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>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
```

```
<h3><a href="catalogue/the-boys-in-the-boat-nine-americans-and-their-epic-quest-for-gold-a
t-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-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="catalogue/the-black-maria 991/index.html"><img alt="The Black Maria" class="thumb
nail" src="media/cache/58/46/5846057e28022268153beff6d352b06c.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="catalogue/the-black-maria 991/index.html" title="The Black Maria">The Black M
aria</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-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="catalogue/starving-hearts-triangular-trade-trilogy-1 990/index.html"><img alt="St</pre>
arving Hearts (Triangular Trade Trilogy, #1)" class="thumbnail" src="media/cache/be/f4/bef
44da28c98f905a3ebec0b87be8530.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i></i>
<h3><a href="catalogue/starving-hearts-triangular-trade-trilogy-1 990/index.html" title="S
tarving Hearts (Triangular Trade Trilogy, #1)">Starving Hearts (Triangular Trade ...</a></
<div class="product price">
```

```
£13.99
<i class="icon-ok"></i></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/shakespeares-sonnets 989/index.html"><img alt="Shakespeare's Sonnets" c</pre>
lass="thumbnail" src="media/cache/10/48/1048f63d3b5061cd2f424d20b3f9b666.jpg"/></a>
</div>
<i class="icon-star"></i></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="catalogue/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></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/set-me-free 988/index.html"><img alt="Set Me Free" class="thumbnail" sr</pre>
c="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></i>
<i class="icon-star"></i></i>
<h3><a href="catalogue/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-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/scott-pilgrims-precious-little-life-scott-pilgrim-1 987/index.html"><im</pre>
g alt="Scott Pilgrim's Precious Little Life (Scott Pilgrim #1)" class="thumbnail" src="med
ia/cache/94/b1/94b1b8b244bce9677c2f29ccc890d4d2.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="catalogue/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 L
ittle ...</a></h3>
<div class="product price">
£52.29
<i class="icon-ok"></i>
       In stock
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<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>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="catalogue/rip-it-up-and-start-again 986/index.html" title="Rip it Up and Star
t Again">Rip it Up and ...</a></h3>
<div class="product price">
£35.02
<i class="icon-ok"></i>
      In stock
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
```

```
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/our-band-could-be-your-life-scenes-from-the-american-indie-underground-</pre>
1981-1991 985/index.html"><imq alt="Our Band Could Be Your Life: Scenes from the American
Indie Underground, 1981-1991" class="thumbnail" src="media/cache/54/60/54607fe8945897cdcce
d0044103b10b6.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="catalogue/our-band-could-be-your-life-scenes-from-the-american-indie-undergro">ch3><a href="catalogue/our-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-could-be-your-band-be-your-band-could-be-your-band-be-your-band-be-your-band-be-your-band-be-your-band-be-your-band-be-yo
und-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
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/olio 984/index.html"><img alt="Olio" class="thumbnail" src="media/cach</pre>
e/55/33/553310a7162dfbc2c6d19a84da0df9e1.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></i>
<h3><a href="catalogue/olio 984/index.html" title="Olio">Olio</a></h3>
<div class="product price">
£23.88
<i class="icon-ok"></i></i>
               In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
```

</article>

```
</1i>
<article class="product pod">
<div class="image container">
<a href="catalogue/mesaerion-the-best-science-fiction-stories-1800-1849 983/index.html"><i</pre>
mg alt="Mesaerion: The Best Science Fiction Stories 1800-1849" class="thumbnail" src="medi
a/cache/09/a3/09a3aef48557576e1a85ba7efea8ecb7.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="catalogue/mesaerion-the-best-science-fiction-stories-1800-1849 983/index.htm">https://doi.org/10.1849 983/index.htm</a>
1" title="Mesaerion: The Best Science Fiction Stories 1800-1849">Mesaerion: The Best Scien
ce ...</a></h3>
<div class="product price">
£37.59
<i class="icon-ok"></i>
       In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="catalogue/libertarianism-for-beginners 982/index.html"><img alt="Libertarianism f</pre>
or Beginners" class="thumbnail" src="media/cache/0b/bc/0bbcd0a6f4bcd81ccb1049a52736406e.jp
g"/></a>
</div>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="catalogue/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
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product_pod">
```

```
<div class="image container">
<a href="catalogue/its-only-the-himalayas 981/index.html"><img alt="It's Only the Himalaya
s" 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>
<i class="icon-star"></i>
<h3><a href="catalogue/its-only-the-himalayas 981/index.html" title="It's Only the Himalay
as">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-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<div>
class="current">
               Page 1 of 50
<a href="catalogue/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 src="static/oscar/js/jquery/jquery-1.9.1.</pre>
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-datetimepi</pre>
cker.js" type="text/javascript"></script>
<script charset="utf-8" src="static/oscar/js/bootstrap-datetimepicker/locales/bootstrap-da</pre>
tetimepicker.all.js" type="text/javascript"></script>
<script type="text/javascript">
           $(function() {
```

```
});
               </script>
       <!-- Version: N/A -->
       </body>
       </html>
In [6]:
        ul list=soup.find('ul',class ='nav-list')
        ul list
       Out[6]:
       <1i>>
       <a href="catalogue/category/books 1/index.html">
                                      Books
                              </a>
       <l
       <1i>>
       <a href="catalogue/category/books/travel 2/index.html">
                                      Travel
                              </a>
       <1i>>
       <a href="catalogue/category/books/mystery 3/index.html">
                                      Mystery
                               </a>
       <1i>>
       <a href="catalogue/category/books/historical-fiction 4/index.html">
                                      Historical Fiction
                              </a>
       <1i>>
       <a href="catalogue/category/books/sequential-art 5/index.html">
                                      Sequential Art
                              </a>
       <1i>>
       <a href="catalogue/category/books/classics 6/index.html">
                                      Classics
                              </a>
       <1i>>
       <a href="catalogue/category/books/philosophy 7/index.html">
                                      Philosophy
                              </a>
       <1i>>
       <a href="catalogue/category/books/romance 8/index.html">
```

Romance

oscar.search.init();

```
<1i>>
<a href="catalogue/category/books/womens-fiction 9/index.html">
                              Womens Fiction
                       </a>
<1i>>
<a href="catalogue/category/books/fiction 10/index.html">
                               Fiction
                       </a>
<1i>>
<a href="catalogue/category/books/childrens 11/index.html">
                              Childrens
                       </a>
<1i>>
<a href="catalogue/category/books/religion 12/index.html">
                              Religion
                       </a>
<1i>>
<a href="catalogue/category/books/nonfiction 13/index.html">
                              Nonfiction
                       </a>
<1i>>
<a href="catalogue/category/books/music 14/index.html">
                              Music
                       </a>
<1i>>
<a href="catalogue/category/books/default 15/index.html">
                               Default
                       </a>
<1i>>
<a href="catalogue/category/books/science-fiction 16/index.html">
                               Science Fiction
                       </a>
<a href="catalogue/category/books/sports-and-games 17/index.html">
                               Sports and Games
```



```
<1i>>
<a href="catalogue/category/books/add-a-comment 18/index.html">
                               Add a comment
                       </a>
<1i>>
<a href="catalogue/category/books/fantasy 19/index.html">
                               Fantasy
                       </a>
<1i>>
<a href="catalogue/category/books/new-adult 20/index.html">
                               New Adult
                       </a>
<1i>>
<a href="catalogue/category/books/young-adult 21/index.html">
                               Young Adult
                       </a>
<1i>>
<a href="catalogue/category/books/science 22/index.html">
                               Science
                       </a>
<1i>>
<a href="catalogue/category/books/poetry 23/index.html">
                               Poetry
                       </a>
<1i>>
<a href="catalogue/category/books/paranormal 24/index.html">
                               Paranormal
                       </a>
<1i>>
<a href="catalogue/category/books/art 25/index.html">
                               Art
                       </a>
<1i>>
<a href="catalogue/category/books/psychology 26/index.html">
                               Psychology
                       </a>
<1i>>
```



```
</a>
<1i>>
<a href="catalogue/category/books/parenting 28/index.html">
                               Parenting
                       </a>
<1i>>
<a href="catalogue/category/books/adult-fiction 29/index.html">
                               Adult Fiction
                       </a>
<1i>>
<a href="catalogue/category/books/humor 30/index.html">
                               Humor
                       </a>
<1i>>
<a href="catalogue/category/books/horror 31/index.html">
                               Horror
                       </a>
<1i>>
<a href="catalogue/category/books/history 32/index.html">
                               History
                       </a>
<1i>>
<a href="catalogue/category/books/food-and-drink 33/index.html">
                               Food and Drink
                       </a>
<1i>>
<a href="catalogue/category/books/christian-fiction 34/index.html">
                               Christian Fiction
                       </a>
<1i>>
<a href="catalogue/category/books/business 35/index.html">
                               Business
                       </a>
<1i>>
<a href="catalogue/category/books/biography 36/index.html">
```

Biography

Autobiography

```
<1i>>
<a href="catalogue/category/books/thriller_37/index.html">
                               Thriller
                       </a>
<1i>>
<a href="catalogue/category/books/contemporary 38/index.html">
                               Contemporary
                       </a>
<1i>>
<a href="catalogue/category/books/spirituality 39/index.html">
                               Spirituality
                       </a>
<1i>>
<a href="catalogue/category/books/academic 40/index.html">
                               Academic
                       </a>
<1i>>
<a href="catalogue/category/books/self-help 41/index.html">
                               Self Help
                       </a>
<1i>>
<a href="catalogue/category/books/historical 42/index.html">
                               Historical
                       </a>
<1i>>
<a href="catalogue/category/books/christian 43/index.html">
                               Christian
                       </a>
<1i>>
<a href="catalogue/category/books/suspense 44/index.html">
                               Suspense
                       </a>
<a href="catalogue/category/books/short-stories 45/index.html">
                               Short Stories
                       </a>
<1i>>
```



```
</a>
        <1i>>
        <a href="catalogue/category/books/health 47/index.html">
                                       Health
                               </a>
        <1i>>
        <a href="catalogue/category/books/politics 48/index.html">
                                       Politics
                               </a>
        <1i>>
        <a href="catalogue/category/books/cultural 49/index.html">
                                       Cultural
                               </a>
        <1i>>
        <a href="catalogue/category/books/erotica 50/index.html">
                                       Erotica
                               </a>
        <1i>>
        <a href="catalogue/category/books/crime 51/index.html">
                                       Crime
                               </a>
        In [7]:
        ul li items = ul list.ul.find all('li')
        baseurl + ul li items[0].a['href']
        'http://books.toscrape.com/catalogue/category/books/travel 2/index.html'
Out[7]:
In [8]:
        def extract categories(baseurl):
            categories={}
            r=requests.get(baseurl)
            soup=BeautifulSoup(r.content)
            categories list = soup.find('ul', class ="nav-list").ul.find all("li")
            for li in categories list:
                categories.update({li.text.strip(): baseurl + li.a['href']})
            return categories
In [9]:
        extract categories(baseurl)
        {'Travel': 'http://books.toscrape.com/catalogue/category/books/travel 2/index.html',
Out[9]:
         'Mystery': 'http://books.toscrape.com/catalogue/category/books/mystery 3/index.html',
         'Historical Fiction': 'http://books.toscrape.com/catalogue/category/books/historical-fict
```

```
ion 4/index.html',
 'Sequential Art': 'http://books.toscrape.com/catalogue/category/books/sequential-art 5/in
dex.html',
 'Classics': 'http://books.toscrape.com/catalogue/category/books/classics 6/index.html',
 'Philosophy': 'http://books.toscrape.com/cataloque/category/books/philosophy 7/index.htm
 'Romance': 'http://books.toscrape.com/catalogue/category/books/romance 8/index.html',
 'Womens Fiction': 'http://books.toscrape.com/cataloque/category/books/womens-fiction 9/in
dex.html',
 'Fiction': 'http://books.toscrape.com/cataloque/category/books/fiction 10/index.html',
 'Childrens': 'http://books.toscrape.com/catalogue/category/books/childrens 11/index.htm
 'Religion': 'http://books.toscrape.com/catalogue/category/books/religion 12/index.html',
 'Nonfiction': 'http://books.toscrape.com/catalogue/category/books/nonfiction 13/index.htm
1',
 'Music': 'http://books.toscrape.com/catalogue/category/books/music 14/index.html',
 'Default': 'http://books.toscrape.com/catalogue/category/books/default 15/index.html',
 'Science Fiction': 'http://books.toscrape.com/catalogue/category/books/science-fiction 1
6/index.html',
 'Sports and Games': 'http://books.toscrape.com/catalogue/category/books/sports-and-games
17/index.html',
 'Add a comment': 'http://books.toscrape.com/catalogue/category/books/add-a-comment 18/ind
ex.html',
 'Fantasy': 'http://books.toscrape.com/catalogue/category/books/fantasy 19/index.html',
 'New Adult': 'http://books.toscrape.com/cataloque/category/books/new-adult 20/index.htm
 'Young Adult': 'http://books.toscrape.com/catalogue/category/books/young-adult 21/index.h
 'Science': 'http://books.toscrape.com/catalogue/category/books/science 22/index.html',
 'Poetry': 'http://books.toscrape.com/cataloque/category/books/poetry 23/index.html',
 'Paranormal': 'http://books.toscrape.com/catalogue/category/books/paranormal 24/index.htm
 'Art': 'http://books.toscrape.com/catalogue/category/books/art 25/index.html',
 'Psychology': 'http://books.toscrape.com/catalogue/category/books/psychology 26/index.htm
 'Autobiography': 'http://books.toscrape.com/catalogue/category/books/autobiography 27/ind
ex.html',
 'Parenting': 'http://books.toscrape.com/catalogue/category/books/parenting 28/index.htm
 'Adult Fiction': 'http://books.toscrape.com/catalogue/category/books/adult-fiction 29/ind
ex.html',
 'Humor': 'http://books.toscrape.com/catalogue/category/books/humor 30/index.html',
 'Horror': 'http://books.toscrape.com/cataloque/category/books/horror 31/index.html',
 'History': 'http://books.toscrape.com/catalogue/category/books/history 32/index.html',
 'Food and Drink': 'http://books.toscrape.com/catalogue/category/books/food-and-drink 33/i
ndex.html',
 'Christian Fiction': 'http://books.toscrape.com/catalogue/category/books/christian-fictio
n 34/index.html',
 'Business': 'http://books.toscrape.com/catalogue/category/books/business 35/index.html',
 'Biography': 'http://books.toscrape.com/catalogue/category/books/biography 36/index.htm
 'Thriller': 'http://books.toscrape.com/cataloque/category/books/thriller 37/index.html',
 'Contemporary': 'http://books.toscrape.com/catalogue/category/books/contemporary 38/inde
x.html',
 'Spirituality': 'http://books.toscrape.com/catalogue/category/books/spirituality 39/inde
x.html',
 'Academic': 'http://books.toscrape.com/catalogue/category/books/academic 40/index.html',
 'Self Help': 'http://books.toscrape.com/cataloque/category/books/self-help 41/index.htm
 'Historical': 'http://books.toscrape.com/catalogue/category/books/historical 42/index.htm
1',
 'Christian': 'http://books.toscrape.com/catalogue/category/books/christian 43/index.htm
 'Suspense': 'http://books.toscrape.com/catalogue/category/books/suspense 44/index.html',
 'Short Stories': 'http://books.toscrape.com/catalogue/category/books/short-stories 45/ind
```

ex.html',

```
'Health': 'http://books.toscrape.com/catalogue/category/books/health 47/index.html',
         'Politics': 'http://books.toscrape.com/cataloque/category/books/politics 48/index.html',
         'Cultural': 'http://books.toscrape.com/catalogue/category/books/cultural 49/index.html',
         'Erotica': 'http://books.toscrape.com/catalogue/category/books/erotica 50/index.html',
         'Crime': 'http://books.toscrape.com/catalogue/category/books/crime 51/index.html'}
In [10]:
         url = "http://books.toscrape.com/catalogue/category/books/mystery 3/index.html"
         res = requests.get(url)
         soup = BeautifulSoup(res.content)
In [11]:
         soup
        <!DOCTYPE html>
Out[11]:
        <!--[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"> <![endif]--><!--[if</pre>
                      <html lang="en-us" class="no-js lt-ie9"> <![endif]--><!--[if gt IE 8]><!-->
        <html class="no-js" lang="en-us"> <!--<![endif]-->
        <head>
        <title>
            Mystery |
             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-datetimepicker.</pre>
        css" rel="stylesheet"/>
        <link href="../../../static/oscar/css/datetimepicker.css" rel="stylesheet" type="text/c</pre>
        ss"/>
        </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 lo
        ve being scraped!</small>
        </div>
        </div>
        </div>
        </header>
        <div class="container-fluid page">
        <div class="page inner">
        <a href="../../../index.html">Home</a>
        <1i>>
        <a href="../../books 1/index.html">Books</a>
        Mystery
```

'Novels': 'http://books.toscrape.com/catalogue/category/books/novels 46/index.html',

```
<div class="row">
<aside class="sidebar col-sm-4 col-md-3">
<div id="promotions left">
</div>
<div class="side categories">
<1i>>
<a href="../../books 1/index.html">
                              Books
                      </a>
<l
<1i>>
<a href="../travel 2/index.html">
                              Travel
                      </a>
<1i>>
<a href="index.html">
<strong>Mystery</strong>
</a>
<1i>>
<a href="../historical-fiction 4/index.html">
                              Historical Fiction
                      </a>
<1i>>
<a href="../sequential-art 5/index.html">
                              Sequential Art
                      </a>
<1i>>
<a href="../classics 6/index.html">
                              Classics
                      </a>
<1i>>
<a href="../philosophy 7/index.html">
                              Philosophy
                      </a>
<1i>>
<a href="../romance_8/index.html">
                              Romance
                      </a>
<1i>>
<a href="../womens-fiction 9/index.html">
                              Womens Fiction
```

```
<1i>>
<a href="../fiction 10/index.html">
                              Fiction
                       </a>
<1i>>
<a href="../childrens_11/index.html">
                              Childrens
                       </a>
<1i>>
<a href="../religion_12/index.html">
                              Religion
                       </a>
<1i>>
<a href="../nonfiction_13/index.html">
                              Nonfiction
                       </a>
<1i>>
<a href="../music 14/index.html">
                              Music
                       </a>
<1i>>
<a href="../default_15/index.html">
                              Default
                       </a>
<1i>>
<a href="../science-fiction 16/index.html">
                              Science Fiction
                       </a>
<1i>>
<a href="../sports-and-games 17/index.html">
                              Sports and Games
                       </a>
<a href="../add-a-comment 18/index.html">
                              Add a comment
                       </a>
<1i>>
```



```
Fantasy
                       </a>
<1i>>
<a href="../new-adult 20/index.html">
                              New Adult
                       </a>
<1i>>
<a href="../young-adult 21/index.html">
                              Young Adult
                       </a>
<1i>>
<a href="../science 22/index.html">
                              Science
                       </a>
<1i>>
<a href="../poetry 23/index.html">
                              Poetry
                       </a>
<1i>>
<a href="../paranormal 24/index.html">
                              Paranormal
                       </a>
<1i>>
<a href="../art 25/index.html">
                              Art
                       </a>
<1i>>
<a href="../psychology 26/index.html">
                              Psychology
                       </a>
<1i>>
<a href="../autobiography_27/index.html">
                              Autobiography
                       </a>
<1i>>
<a href="../parenting 28/index.html">
```

Parenting

```
<1i>>
<a href="../adult-fiction 29/index.html">
                              Adult Fiction
                      </a>
<1i>>
<a href="../humor 30/index.html">
                              Humor
                      </a>
<1i>>
<a href="../horror 31/index.html">
                              Horror
                      </a>
<1i>>
<a href="../history 32/index.html">
                              History
                      </a>
<1i>>
<a href="../food-and-drink 33/index.html">
                              Food and Drink
                      </a>
<1i>>
<a href="../christian-fiction 34/index.html">
                              Christian Fiction
                      </a>
<1i>>
<a href="../business 35/index.html">
                              Business
                      </a>
<1i>>
<a href="../biography 36/index.html">
                              Biography
                      </a>
<1i>>
<a href="../thriller_37/index.html">
                              Thriller
                      </a>
```

<1i>>


```
<a href="../contemporary 38/index.html">
                              Contemporary
                       </a>
<1i>>
<a href="../spirituality 39/index.html">
                              Spirituality
                       </a>
<1i>>
<a href="../academic_40/index.html">
                              Academic
                       </a>
<1i>>
<a href="../self-help_41/index.html">
                              Self Help
                       </a>
<1i>>
<a href="../historical 42/index.html">
                              Historical
                       </a>
<1i>>
<a href="../christian 43/index.html">
                              Christian
                       </a>
<1i>>
<a href="../suspense_44/index.html">
                              Suspense
                       </a>
<1i>>
<a href="../short-stories_45/index.html">
                              Short Stories
                       </a>
<a href="../novels 46/index.html">
                              Novels
                       </a>
<1i>>
<a href="../health 47/index.html">
```

Health

```
</a>
<1i>>
<a href="../politics 48/index.html">
                            Politics
                     </a>
<1i>>
<a href="../cultural 49/index.html">
                            Cultural
                     </a>
<1i>>
<a href="../erotica 50/index.html">
                            Erotica
                     </a>
<1i>>
<a href="../crime 51/index.html">
                            Crime
                     </a>
</div>
</aside>
<div class="col-sm-8 col-md-9">
<div class="page-header action">
<h1>Mystery</h1>
</div>
<div id="messages">
</div>
<div id="promotions">
<form class="form-horizontal" method="get">
<div style="display:none">
<strong>32</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 web
site 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="../../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>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
</n>
<h3><a href="../../sharp-objects 997/index.html" title="Sharp Objects">Sharp Objects</a
<div class="product price">
£47.82
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../in-a-dark-dark-wood 963/index.html"><img alt="In a Dark, Dark Wood" clas
s="thumbnail" src="../../../media/cache/23/85/238570a1c284e730dbc737a7e631ae2b.jpg"/></
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<q\>
<h3><a href="../../in-a-dark-dark-wood 963/index.html" title="In a Dark, Dark Wood">In
a Dark, Dark ...</a></h3>
<div class="product price">
£19.63
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../the-past-never-ends 942/index.html"><img alt="The Past Never Ends" class
="thumbnail" src="../../../media/cache/89/b8/89b850edb01851a91f64ba114b96acb6.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></i>

```
<h3><a href="../../the-past-never-ends 942/index.html" title="The Past Never Ends">The
Past Never Ends</a></h3>
<div class="product price">
£56.50
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="../../a-murder-in-time 877/index.html"><img alt="A Murder in Time" class="thum
bnail" src="../../../media/cache/11/aa/11aaad48b5f15e262456ca65294084da.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="../../a-murder-in-time 877/index.html" title="A Murder in Time">A Murder i
n Time</a></h3>
<div class="product price">
£16.64
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="../../the-murder-of-roger-ackroyd-hercule-poirot-4 852/index.html"><img alt="T</pre>
he Murder of Roger Ackroyd (Hercule Poirot #4)" class="thumbnail" src="../../../media/c
ache/29/fe/29fe70b1b2e5a9ba61d4bd331255e19e.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-murder-of-roger-ackroyd-hercule-poirot-4 852/index.html" title
="The Murder of Roger Ackroyd (Hercule Poirot #4)">The Murder of Roger ...</a></h3>
<div class="product price">
£44.10
```

```
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../the-last-mile-amos-decker-2 754/index.html"><img alt="The Last Mile (Amo
s Decker #2)" class="thumbnail" src="../../../media/cache/37/f1/37f118b4a56d866e1e8b563
759d6966c.jpg"/></a>
</div>
<i class="icon-star"></i></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="../../the-last-mile-amos-decker-2 754/index.html" title="The Last Mile (Am
os Decker #2)">The Last Mile (Amos ...</a></h3>
<div class="product price">
£54.21
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../that-darkness-gardiner-and-renner-1 743/index.html"><img alt="That Darkn
ess (Gardiner and Renner #1)" class="thumbnail" src="../../../media/cache/44/9e/449ed68
1142bc336646abee754e96639.jpg"/></a>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i></i>
<h3><a href="../../that-darkness-gardiner-and-renner-1 743/index.html" title="That Dark
ness (Gardiner and Renner #1)">That Darkness (Gardiner and ...</a></h3>
<div class="product price">
£13.92
<i class="icon-ok"></i>
```

In stock

```
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../tastes-like-fear-di-marnie-rome-3 742/index.html"><img alt="Tastes Like">
Fear (DI Marnie Rome #3)" class="thumbnail" src="../../../media/cache/3c/91/3c91d97266b
d6dda322089695fb46daf.jpg"/></a>
</div>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="../../tastes-like-fear-di-marnie-rome-3 742/index.html" title="Tastes Like
Fear (DI Marnie Rome #3)">Tastes Like Fear (DI ...</a></h3>
<div class="product price">
£10.69
<i class="icon-ok"></i>
       In stock
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../a-time-of-torment-charlie-parker-14 657/index.html"><img alt="A Time of</pre>
Torment (Charlie Parker #14)" class="thumbnail" src="../../../media/cache/e8/c0/e8c0ba1
5066bab950ae161fd60949b9a.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="../../a-time-of-torment-charlie-parker-14 657/index.html" title="A Time of
Torment (Charlie Parker #14)">A Time of Torment ...</a></h3>
<div class="product price">
£48.35
<i class="icon-ok"></i>
      In stock
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
```

```
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../a-study-in-scarlet-sherlock-holmes-1 656/index.html"><img alt="A Study i
n Scarlet (Sherlock Holmes #1)" class="thumbnail" src="../../../media/cache/8f/a4/8fa41
d6caa10e427356b8a590eb4d96b.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></i>
<h3><a href="../../a-study-in-scarlet-sherlock-holmes-1 656/index.html" title="A Study
in Scarlet (Sherlock Holmes #1)">A Study in Scarlet ...</a></h3>
<div class="product price">
£16.73
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../poisonous-max-revere-novels-3 627/index.html"><img alt="Poisonous (Max R</pre>
evere Novels #3)" class="thumbnail" src="../../../media/cache/23/52/2352718971d5e166fa9
541a5a7d716fa.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="../../poisonous-max-revere-novels-3 627/index.html" title="Poisonous (Max
Revere Novels #3) ">Poisonous (Max Revere Novels ...</a></h3>
<div class="product price">
£26.80
<i class="icon-ok"></i></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
```

</article>

```
<article class="product pod">
<div class="image container">
<a href="../../murder-at-the-42nd-street-library-raymond-ambler-1 624/index.html"><img</pre>
alt="Murder at the 42nd Street Library (Raymond Ambler #1)" class="thumbnail" src
="../../../media/cache/c3/8d/c38d65cd155b67ca025f0655bd1bb095.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="../../murder-at-the-42nd-street-library-raymond-ambler-1 624/index.html" t
itle="Murder at the 42nd Street Library (Raymond Ambler #1)">Murder at the 42nd ...</a>
<div class="product price">
£54.36
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../most-wanted 623/index.html"><img alt="Most Wanted" class="thumbnail" src
="../../../media/cache/8b/bc/8bbc5ab4c3784b4d9b93eb0fd1fb6fd6.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<h3><a href="../../most-wanted 623/index.html" title="Most Wanted">Most Wanted</a></h3>
<div class="product price">
£35.28
<i class="icon-ok"></i>
      In stock
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="../../hide-away-eve-duncan-20 620/index.html"><img alt="Hide Away (Eve Duncan
```

```
#20)" class="thumbnail" src="../../../media/cache/57/07/5707c3d5d4fd44d943d51730ba7d429
a.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="../../hide-away-eve-duncan-20 620/index.html" title="Hide Away (Eve Duncan
#20)">Hide Away (Eve Duncan ...</a></h3>
<div class="product price">
£11.84
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../boar-island-anna-pigeon-19 613/index.html"><img alt="Boar Island (Anna P
igeon #19)" class="thumbnail" src="../../../media/cache/d5/81/d58157866ea8f015a8e4c55b2
3b8c96f.jpg"/></a>
</div>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="../../boar-island-anna-pigeon-19 613/index.html" title="Boar Island (Anna
Pigeon #19) ">Boar Island (Anna Pigeon ...</a></h3>
<div class="product price">
£59.48
<i class="icon-ok"></i>
      In stock
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../the-widow 609/index.html"><img alt="The Widow" class="thumbnail" src</pre>
="../../../media/cache/fd/71/fd71fb07247bf911505a351c0670c6dc.jpg"/></a>
</div>
<i class="icon-star"></i></i>
```

```
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="../../the-widow 609/index.html" title="The Widow">The Widow</a></h3>
<div class="product price">
£27.26
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<article class="product pod">
<div class="image container">
<a href="../../playing-with-fire 602/index.html"><img alt="Playing with Fire" class="th
umbnail" src="../../../media/cache/90/0b/900bd2e60d56b6480a4e8eb2dddb46d6.jpg"/></a>
</div>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<h3><a href="../../playing-with-fire 602/index.html" title="Playing with Fire">Playing
with Fire</a></h3>
<div class="product price">
£13.71
<i class="icon-ok"></i>
      In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="../../what-happened-on-beale-street-secrets-of-the-south-mysteries-2 506/inde
x.html"><img alt="What Happened on Beale Street (Secrets of the South Mysteries #2)" class
="thumbnail" src="../../../media/cache/c7/ab/c7abb5e32bd37118a87523dcee0a70a6.jpg"/></a
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
```

```
<h3><a href="../../what-happened-on-beale-street-secrets-of-the-south-mysteries-2 506/i
ndex.html" title="What Happened on Beale Street (Secrets of the South Mysteries #2)">What
Happened on Beale ...</a></h3>
<div class="product price">
£25.37
<i class="icon-ok"></i>
       In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="../../the-bachelor-girls-guide-to-murder-herringford-and-watts-mysteries-1 49"
1/index.html"><img alt="The Bachelor Girl's Guide to Murder (Herringford and Watts Mysteri
es #1)" class="thumbnail" src="../../../media/cache/95/d7/95d7541679fcbd579b8a4f2b47231
aaf.jpg"/></a>
</div>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<i class="icon-star"></i></i>
<i class="icon-star"></i>
<h3><a href="../../the-bachelor-girls-guide-to-murder-herringford-and-watts-mysteries-1"
491/index.html" title="The Bachelor Girl's Guide to Murder (Herringford and Watts Mysteri
es #1)">The Bachelor Girl's Guide ...</a></h3>
<div class="product price">
£52.30
<i class="icon-ok"></i>
       In stock
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
</1i>
<article class="product pod">
<div class="image container">
<a href="../../delivering-the-truth-quaker-midwife-mystery-1 464/index.html"><img alt</pre>
="Delivering the Truth (Quaker Midwife Mystery #1)" class="thumbnail" src="../../../med
ia/cache/57/31/5731a5d46c2c1e88977eb5e6d1337a2e.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></i>
<h3><a href="../../delivering-the-truth-quaker-midwife-mystery-1 464/index.html" title
```

```
="Delivering the Truth (Quaker Midwife Mystery #1)">Delivering the Truth (Quaker ...</a></
<div class="product price">
£20.89
<i class="icon-ok"></i>
       In stock
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
</div>
</article>
<div>
class="current">
               Page 1 of 2
<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 src="../../../static/oscar/js/jquery/j</pre>
query-1.9.1.min.js"><\/script>')</script>
<!-- Twitter Bootstrap -->
<script src="../../static/oscar/js/bootstrap3/bootstrap.min.js" type="text/javascrip"</pre>
t"></script>
<!-- Oscar -->
<script charset="utf-8" src="../../static/oscar/js/oscar/ui.js" type="text/javascrip"</pre>
t"></script>
<script charset="utf-8" src="../../static/oscar/js/bootstrap-datetimepicker/bootstra</pre>
p-datetimepicker.js" type="text/javascript"></script>
<script charset="utf-8" src="../../static/oscar/js/bootstrap-datetimepicker/locales/</pre>
bootstrap-datetimepicker.all.js" type="text/javascript"></script>
<script type="text/javascript">
           $(function() {
   oscar.init();
   oscar.search.init();
           });
       </script>
<!-- Version: N/A -->
</body>
</html>
```

```
In [12]:
       data = {
        'product page url': [],
        'title': [],
        'price including_tax': [],
        'number available': []
In [13]:
       book page list = soup.find('ol', class ="row").find all("li")
       book page list
       [
Out[13]:
       <article class="product pod">
        <div class="image container">
        <a href="../../sharp-objects 997/index.html"><img alt="Sharp Objects" class="thumbnai</pre>
       l" 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>
        <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
        <button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
       to basket</button>
        </form>
        </div>
        </article>
        <article class="product pod">
        <div class="image container">
        <a href="../../in-a-dark-dark-wood 963/index.html"><img alt="In a Dark, Dark Wood" cla
       ss="thumbnail" src="../../../media/cache/23/85/238570a1c284e730dbc737a7e631ae2b.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="../../in-a-dark-dark-wood 963/index.html" title="In a Dark, Dark Wood">In
       a Dark, Dark ...</a></h3>
        <div class="product price">
        £19.63
        <i class="icon-ok"></i>
              In stock
```

```
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add
to basket</button>
</form>
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  'Boar Island (Anna Pigeon #19) | Books to Scrape - Sandbox',
  'The Widow | Books to Scrape - Sandbox',
  'Playing with Fire | Books to Scrape - Sandbox',
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 'number available': ['In stock (20 available)',
  'In stock (18 available)',
  'In stock (16 available)',
  'In stock (16 available)',
  'In stock (15 available)',
  'In stock (14 available)',
  'In stock (12 available)',
  'In stock (11 available)',
  'In stock (11 available)',
  'In stock (7 available)',
  'In stock (7 available)',
  'In stock (7 available)']}
import pandas as pd
df = pd.DataFrame(data)
df
```

product_page_url title price_including_tax number_available Out[17]:

In [17]:

	product_page_url	title	price_including_tax	number_available
1	http://books.toscrape.com/catalogue/in-a-dark	In a Dark, Dark Wood Books to Scrape - Sandbox	£19.63	In stock (18 available)
2	http://books.toscrape.com/catalogue/the-past-n	The Past Never Ends Books to Scrape - Sandbox	£56.50	In stock (16 available)
3	http://books.toscrape.com/catalogue/a-murder-i	A Murder in Time Books to Scrape - Sandbox	£16.64	In stock (16 available)
4	http://books.toscrape.com/catalogue/the- murder	The Murder of Roger Ackroyd (Hercule Poirot #4	£44.10	In stock (15 available)
5	http://books.toscrape.com/catalogue/the-last-m	The Last Mile (Amos Decker #2) Books to Scra	£54.21	In stock (14 available)
6	http://books.toscrape.com/catalogue/that-darkn	That Darkness (Gardiner and Renner #1) Books	£13.92	In stock (14 available)
7	http://books.toscrape.com/catalogue/tastes-lik	Tastes Like Fear (DI Marnie Rome #3) Books t	£10.69	In stock (14 available)
8	http://books.toscrape.com/catalogue/a-time-of	A Time of Torment (Charlie Parker #14) Books	£48.35	In stock (14 available)
9	http://books.toscrape.com/catalogue/a-study-in	A Study in Scarlet (Sherlock Holmes #1) Book	£16.73	In stock (14 available)
10	http://books.toscrape.com/catalogue/poisonous	Poisonous (Max Revere Novels #3) Books to Sc	£26.80	In stock (12 available)
11	http://books.toscrape.com/catalogue/murder-at	Murder at the 42nd Street Library (Raymond Amb	£54.36	In stock (12 available)
12	http://books.toscrape.com/catalogue/most-wante	Most Wanted Books to Scrape - Sandbox	£35.28	In stock (12 available)
13	http://books.toscrape.com/catalogue/hide-away	Hide Away (Eve Duncan #20) Books to Scrape	£11.84	In stock (12 available)
14	http://books.toscrape.com/catalogue/boar-islan	Boar Island (Anna Pigeon #19) Books to Scrap	£59.48	In stock (12 available)
15	http://books.toscrape.com/catalogue/the- widow	The Widow Books to Scrape - Sandbox	£27.26	In stock (11 available)
16	http://books.toscrape.com/catalogue/playing-wi	Playing with Fire Books to Scrape - Sandbox	£13.71	In stock (11 available)
17	http://books.toscrape.com/catalogue/what- happe	What Happened on Beale Street (Secrets of the	£25.37	In stock (7 available)
18	http://books.toscrape.com/catalogue/the-bachel	The Bachelor Girl's Guide to Murder (Herringfo	£52.30	In stock (7 available)
19	http://books.toscrape.com/catalogue/delivering	Delivering the Truth (Quaker Midwife Mystery #	£20.89	In stock (7 available)

```
pip install nbconvert
```

```
Requirement already satisfied: nbconvert in c:\users\gadir\anaconda3\lib\site-packages (6.
Requirement already satisfied: traitlets>=5.0 in c:\users\gadir\anaconda3\lib\site-package
s (from nbconvert) (5.1.0)
Requirement already satisfied: defusedxml in c:\users\gadir\anaconda3\lib\site-packages (f
rom nbconvert) (0.7.1)
Requirement already satisfied: nbformat>=4.4 in c:\users\gadir\anaconda3\lib\site-packages
(from nbconvert) (5.1.3)
Requirement already satisfied: testpath in c:\users\gadir\anaconda3\lib\site-packages (fro
m nbconvert) (0.5.0)
Requirement already satisfied: jinja2>=2.4 in c:\users\gadir\anaconda3\lib\site-packages
(from nbconvert) (2.11.3)
Requirement already satisfied: nbclient<0.6.0,>=0.5.0 in c:\users\qadir\anaconda3\lib\site
-packages (from nbconvert) (0.5.3)
Requirement already satisfied: jupyter-core in c:\users\gadir\anaconda3\lib\site-packages
(from nbconvert) (4.8.1)
Requirement already satisfied: jupyterlab-pygments in c:\users\gadir\anaconda3\lib\site-pa
ckages (from nbconvert) (0.1.2)
Requirement already satisfied: bleach in c:\users\gadir\anaconda3\lib\site-packages (from
nbconvert) (4.0.0)
Requirement already satisfied: entrypoints>=0.2.2 in c:\users\gadir\anaconda3\lib\site-pac
kages (from nbconvert) (0.3)
Requirement already satisfied: pandocfilters>=1.4.1 in c:\users\gadir\anaconda3\lib\site-p
ackages (from nbconvert) (1.4.3)
Requirement already satisfied: pygments>=2.4.1 in c:\users\gadir\anaconda3\lib\site-packag
es (from nbconvert) (2.10.0)
Requirement already satisfied: mistune<2,>=0.8.1 in c:\users\gadir\anaconda3\lib\site-pack
ages (from nbconvert) (0.8.4)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\gadir\anaconda3\lib\site-packa
ges (from jinja2 >= 2.4 - nbconvert) (1.1.1)
Requirement already satisfied: jupyter-client>=6.1.5 in c:\users\gadir\anaconda3\lib\site-
packages (from nbclient<0.6.0,>=0.5.0->nbconvert) (6.1.12)
Requirement already satisfied: async-generator in c:\users\gadir\anaconda3\lib\site-packag
es (from nbclient<0.6.0,>=0.5.0->nbconvert) (1.10)
Requirement already satisfied: nest-asyncio in c:\users\qadir\anaconda3\lib\site-packages
(from nbclient<0.6.0,>=0.5.0->nbconvert) (1.5.1)
Requirement already satisfied: pyzmq>=13 in c:\users\gadir\anaconda3\lib\site-packages (fr
om jupyter-client>=6.1.5->nbclient<0.6.0,>=0.5.0->nbconvert) (22.2.1)
Requirement already satisfied: tornado>=4.1 in c:\users\gadir\anaconda3\lib\site-packages
(from jupyter-client>=6.1.5->nbclient<0.6.0,>=0.5.0->nbconvert) (6.1)
Requirement already satisfied: python-dateutil>=2.1 in c:\users\gadir\anaconda3\lib\site-p
ackages (from jupyter-client>=6.1.5->nbclient<0.6.0,>=0.5.0->nbconvert) (2.8.2)
Requirement already satisfied: pywin32>=1.0 in c:\users\gadir\anaconda3\lib\site-packages
(from jupyter-core->nbconvert) (228)
Requirement already satisfied: jsonschema!=2.5.0,>=2.4 in c:\users\gadir\anaconda3\lib\sit
e-packages (from nbformat>=4.4->nbconvert) (3.2.0)
Requirement already satisfied: ipython-genutils in c:\users\gadir\anaconda3\lib\site-packa
ges (from nbformat>=4.4->nbconvert) (0.2.0)
Requirement already satisfied: attrs>=17.4.0 in c:\users\gadir\anaconda3\lib\site-packages
(from jsonschema!=2.5.0,>=2.4->nbformat>=4.4->nbconvert) (21.2.0)
Requirement already satisfied: setuptools in c:\users\gadir\anaconda3\lib\site-packages (f
rom jsonschema!=2.5.0,>=2.4->nbformat>=4.4->nbconvert) (58.0.4)
Requirement already satisfied: six>=1.11.0 in c:\users\gadir\anaconda3\lib\site-packages
(from jsonschema!=2.5.0, >=2.4->nbformat>=4.4->nbconvert) (1.16.0)
Requirement already satisfied: pyrsistent>=0.14.0 in c:\users\gadir\anaconda3\lib\site-pac
kages (from jsonschema!=2.5.0,>=2.4->nbformat>=4.4->nbconvert) (0.18.0)
Requirement already satisfied: packaging in c:\users\gadir\anaconda3\lib\site-packages (fr
om bleach->nbconvert) (21.0)
Requirement already satisfied: webencodings in c:\users\gadir\anaconda3\lib\site-packages
(from bleach->nbconvert) (0.5.1)
Requirement already satisfied: pyparsing>=2.0.2 in c:\users\gadir\anaconda3\lib\site-packa
```

ges (from packaging->bleach->nbconvert) (3.0.4)
Note: you may need to restart the kernel to use updated packages.

```
In [1]:
```

```
!pip install nbconvert webpdf
```

Requirement already satisfied: nbconvert in c:\users\gadir\anaconda3\lib\site-packages (6. 1.0)

Collecting webpdf

Downloading webpdf-1.0-py3-none-any.whl (13 kB)

Requirement already satisfied: nbclient<0.6.0,>=0.5.0 in c:\users\gadir\anaconda3\lib\site -packages (from nbconvert) (0.5.3)

Requirement already satisfied: traitlets>=5.0 in c:\users\gadir\anaconda3\lib\site-package s (from nbconvert) (5.1.0)

Requirement already satisfied: testpath in c:\users\gadir\anaconda3\lib\site-packages (fro m nbconvert) (0.5.0)

Requirement already satisfied: jinja2>=2.4 in c:\users\gadir\anaconda3\lib\site-packages (from nbconvert) (2.11.3)

Requirement already satisfied: nbformat>=4.4 in c:\users\gadir\anaconda3\lib\site-packages (from nbconvert) (5.1.3)

Requirement already satisfied: mistune<2,>=0.8.1 in c:\users\gadir\anaconda3\lib\site-pack ages (from nbconvert) (0.8.4)

Requirement already satisfied: pygments>=2.4.1 in c:\users\gadir\anaconda3\lib\site-packag es (from nbconvert) (2.10.0)

Requirement already satisfied: jupyter-core in c:\users\gadir\anaconda3\lib\site-packages (from nbconvert) (4.8.1)

Requirement already satisfied: bleach in c:\users\gadir\anaconda3\lib\site-packages (from nbconvert) (4.0.0)

Requirement already satisfied: defusedxml in c:\users\gadir\anaconda3\lib\site-packages (f rom nbconvert) (0.7.1)

Requirement already satisfied: pandocfilters>=1.4.1 in c:\users\gadir\anaconda3\lib\site-p ackages (from nbconvert) (1.4.3)

Requirement already satisfied: entrypoints>=0.2.2 in c:\users\gadir\anaconda3\lib\site-pac kages (from nbconvert) (0.3)

Requirement already satisfied: jupyterlab-pygments in c:\users\gadir\anaconda3\lib\site-pa ckages (from nbconvert) (0.1.2)

Requirement already satisfied: MarkupSafe>=0.23 in c:\users\gadir\anaconda3\lib\site-packa ges (from jinja2>=2.4->nbconvert) (1.1.1)

Requirement already satisfied: async-generator in c:\users\gadir\anaconda3\lib\site-packag es (from nbclient<0.6.0,>=0.5.0->nbconvert) (1.10)

Requirement already satisfied: nest-asyncio in c:\users\gadir\anaconda3\lib\site-packages (from nbclient<0.6.0,>=0.5.0->nbconvert) (1.5.1)

Requirement already satisfied: jupyter-client>=6.1.5 in c:\users\gadir\anaconda3\lib\site-packages (from nbclient<0.6.0,>=0.5.0->nbconvert) (6.1.12)

Requirement already satisfied: pyzmq>=13 in c:\users\gadir\anaconda3\lib\site-packages (fr om jupyter-client>=6.1.5->nbclient<0.6.0,>=0.5.0->nbconvert) (22.2.1)

Requirement already satisfied: python-dateutil>=2.1 in c:\users\gadir\anaconda3\lib\site-p ackages (from jupyter-client>=6.1.5->nbclient<0.6.0,>=0.5.0->nbconvert) (2.8.2)

Requirement already satisfied: tornado>=4.1 in c:\users\gadir\anaconda3\lib\site-packages (from jupyter-client>=6.1.5->nbclient<0.6.0,>=0.5.0->nbconvert) (6.1)

Requirement already satisfied: pywin32>=1.0 in c:\users\gadir\anaconda3\lib\site-packages (from jupyter-core->nbconvert) (228)

Requirement already satisfied: ipython-genutils in c:\users\gadir\anaconda3\lib\site-packa ges (from nbformat>=4.4->nbconvert) (0.2.0)

Requirement already satisfied: jsonschema!=2.5.0,>=2.4 in c:\users\gadir\anaconda3\lib\sit e-packages (from nbformat>=4.4->nbconvert) (3.2.0)

Requirement already satisfied: attrs>=17.4.0 in c:\users\gadir\anaconda3\lib\site-packages (from jsonschema!=2.5.0,>=2.4->nbformat>=4.4->nbconvert) (21.2.0)

Requirement already satisfied: six >= 1.11.0 in c:\users\gadir\anaconda3\lib\site-packages (from jsonschema!=2.5.0,>=2.4->nbformat>=4.4->nbconvert) (1.16.0)

Requirement already satisfied: setuptools in c:\users\gadir\anaconda3\lib\site-packages (f rom jsonschema!=2.5.0,>=2.4->nbformat>=4.4->nbconvert) (58.0.4)

Requirement already satisfied: pyrsistent>=0.14.0 in c:\users\gadir\anaconda3\lib\site-pac kages (from jsonschema!=2.5.0,>=2.4->nbformat>=4.4->nbconvert) (0.18.0)

Requirement already satisfied: packaging in c:\users\gadir\anaconda3\lib\site-packages (fr om bleach->nbconvert) (21.0)

	(from bleach->nbconvert) (0.5.1)
	Requirement already satisfied: pyparsing>=2.0.2 in c:\users\gadir\anaconda3\lib\site-packa
	ges (from packaging->bleach->nbconvert) (3.0.4)
	Installing collected packages: webpdf
	Successfully installed webpdf-1.0
1 .	

Requirement already satisfied: webencodings in c:\users\gadir\anaconda3\lib\site-packages

Tn []		
T []	•	