

```

import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import warnings
warnings.filterwarnings("ignore")
import requests
from bs4 import BeautifulSoup

# url for scraping data
url = "http://books.toscrape.com/"

# Getting response from the website
response = requests.get(url)
print(response)

<Response [200]>

# Parsing the response by using html.parser
Soup = BeautifulSoup(response.text, 'html.parser')
Soup

<!DOCTYPE html>

<!--[if lt IE 7]>      <html lang="en-us" class="no-js lt-ie9 lt-ie8
lt-ie7"> <![endif]-->
<!--[if IE 7]>        <html lang="en-us" class="no-js lt-ie9 lt-ie8">
<![endif]-->
<!--[if IE 8]>        <html lang="en-us" class="no-js lt-ie9"> <![
endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-us"> <!--<![
endif]-->
<head>
<title>
    All products | Books to Scrape - Sandbox
</title>
<meta content="text/html; charset=utf-8" http-equiv="content-type"/>
<meta content="24th Jun 2016 09:29" name="created"/>
<meta content="" name="description"/>
<meta content="width=device-width" name="viewport"/>
<meta content="NOARCHIVE,NOCACHE" name="robots"/>
<!-- Le HTML5 shim, for IE6-8 support of HTML elements -->
<!--[if lt IE 9]>
    <script
src="//html5shim.googlecode.com/svn/trunk/html5.js"></script>
    <![endif]-->
<link href="static/oscar/favicon.ico" rel="shortcut icon"/>
<link href="static/oscar/css/styles.css" rel="stylesheet"
type="text/css"/>
<link href="static/oscar/js/bootstrap-datetimepicker/bootstrap-

```

```
datetimepicker.css" rel="stylesheet"/>
<link href="static/oscar/css/datetimepicker.css" rel="stylesheet"
type="text/css"/>
</head>
<body class="default" id="default">
<header class="header container-fluid">
<div class="page_inner">
<div class="row">
<div class="col-sm-8 h1"><a href="index.html">Books to
Scrape</a><small> We love being scraped!</small>
</div>
</div>
</div>
</header>
<div class="container-fluid page">
<div class="page_inner">
<ul class="breadcrumb">
<li>
<a href="index.html">Home</a>
</li>
<li class="active">All products</li>
</ul>
<div class="row">
<aside class="sidebar col-sm-4 col-md-3">
<div id="promotions_left">
</div>
<div class="side_categories">
<ul class="nav nav-list">
<li>
<a href="catalogue/category/books_1/index.html">
Books
</a>
<ul>
<li>
<a href="catalogue/category/books/travel_2/index.html">
Travel
</a>
</li>
<li>
<a href="catalogue/category/books/mystery_3/index.html">
Mystery
</a>
</li>
```

```
<li>
<a href="catalogue/category/books/historical-fiction_4/index.html">
    Historical Fiction
</a>
</li>
<li>
<a href="catalogue/category/books/sequential-art_5/index.html">
    Sequential Art
</a>
</li>
<li>
<a href="catalogue/category/books/classics_6/index.html">
    Classics
</a>
</li>
<li>
<a href="catalogue/category/books/philosophy_7/index.html">
    Philosophy
</a>
</li>
<li>
<a href="catalogue/category/books/romance_8/index.html">
    Romance
</a>
</li>
<li>
<a href="catalogue/category/books/womens-fiction_9/index.html">
    Womens Fiction
</a>
</li>
<li>
<a href="catalogue/category/books/fiction_10/index.html">
    Fiction
</a>
</li>
```

```
<li>
<a href="catalogue/category/books/childrens_11/index.html">

    Childrens

</a>
</li>
<li>
<a href="catalogue/category/books/religion_12/index.html">

    Religion

</a>
</li>
<li>
<a href="catalogue/category/books/nonfiction_13/index.html">

    Nonfiction

</a>
</li>
<li>
<a href="catalogue/category/books/music_14/index.html">

    Music

</a>
</li>
<li>
<a href="catalogue/category/books/default_15/index.html">

    Default

</a>
</li>
<li>
<a href="catalogue/category/books/science-fiction_16/index.html">

    Science Fiction

</a>
</li>
<li>
<a href="catalogue/category/books/sports-and-games_17/index.html">

    Sports and Games

</a>
</li>
```

```
</li>
<a href="catalogue/category/books/add-a-comment_18/index.html">
```

Add a comment

```
</a>
</li>
```

```
<li>
<a href="catalogue/category/books/fantasy_19/index.html">
```

Fantasy

```
</a>
</li>
```

```
<li>
<a href="catalogue/category/books/new-adult_20/index.html">
```

New Adult

```
</a>
</li>
```

```
<li>
<a href="catalogue/category/books/young-adult_21/index.html">
```

Young Adult

```
</a>
</li>
```

```
<li>
<a href="catalogue/category/books/science_22/index.html">
```

Science

```
</a>
</li>
```

```
<li>
<a href="catalogue/category/books/poetry_23/index.html">
```

Poetry

```
</a>
</li>
```

```
<li>
<a href="catalogue/category/books/paranormal_24/index.html">
```

Paranormal

```
</a>
</li>
```

```
</li>
<a href="catalogue/category/books/art_25/index.html">

    Art

</a>
</li>
<li>
<a href="catalogue/category/books/psychology_26/index.html">

    Psychology

</a>
</li>
<li>
<a href="catalogue/category/books/autobiography_27/index.html">

    Autobiography

</a>
</li>
<li>
<a href="catalogue/category/books/parenting_28/index.html">

    Parenting

</a>
</li>
<li>
<a href="catalogue/category/books/adult-fiction_29/index.html">

    Adult Fiction

</a>
</li>
<li>
<a href="catalogue/category/books/humor_30/index.html">

    Humor

</a>
</li>
<li>
<a href="catalogue/category/books/horror_31/index.html">

    Horror

</a>
</li>
```

```
</li>
<a href="catalogue/category/books/history_32/index.html">

    History

</a>
</li>
<li>
<a href="catalogue/category/books/food-and-drink_33/index.html">

    Food and Drink

</a>
</li>
<li>
<a href="catalogue/category/books/christian-fiction_34/index.html">

    Christian Fiction

</a>
</li>
<li>
<a href="catalogue/category/books/business_35/index.html">

    Business

</a>
</li>
<li>
<a href="catalogue/category/books/biography_36/index.html">

    Biography

</a>
</li>
<li>
<a href="catalogue/category/books/thriller_37/index.html">

    Thriller

</a>
</li>
<li>
<a href="catalogue/category/books/contemporary_38/index.html">

    Contemporary

</a>
</li>
```

```
</li>
<a href="catalogue/category/books/spirituality_39/index.html">

    Spirituality

</a>
</li>
<li>
<a href="catalogue/category/books/academic_40/index.html">

    Academic

</a>
</li>
<li>
<a href="catalogue/category/books/self-help_41/index.html">

    Self Help

</a>
</li>
<li>
<a href="catalogue/category/books/historical_42/index.html">

    Historical

</a>
</li>
<li>
<a href="catalogue/category/books/christian_43/index.html">

    Christian

</a>
</li>
<li>
<a href="catalogue/category/books/suspense_44/index.html">

    Suspense

</a>
</li>
<li>
<a href="catalogue/category/books/short-stories_45/index.html">

    Short Stories

</a>
</li>
```



```
<li>
<a href="catalogue/category/books/novels_46/index.html">

Novels

</a>
</li>
<li>
<a href="catalogue/category/books/health_47/index.html">

Health

</a>
</li>
<li>
<a href="catalogue/category/books/politics_48/index.html">

Politics

</a>
</li>
<li>
<a href="catalogue/category/books/cultural_49/index.html">

Cultural

</a>
</li>
<li>
<a href="catalogue/category/books/erotica_50/index.html">

Erotica

</a>
</li>
<li>
<a href="catalogue/category/books/crime_51/index.html">

Crime

</a>
</li>
</ul></li>
</ul>
</div>
<div class="col-sm-8 col-md-9">
<div class="page-header action">
<h1>All products</h1>
```

```
</div>
<div id="messages">
</div>
<div id="promotions">
</div>
<form class="form-horizontal" method="get">
<div style="display:none">
</div>
<strong>1000</strong> results - showing <strong>1</strong> to
<strong>20</strong>.
```

```
    </form>
<section>
<div class="alert alert-warning"
role="alert"><strong>Warning!</strong> This is a demo website for web
scraping purposes. Prices and ratings here were randomly assigned and
have no real meaning.</div>
<div>
<ol class="row">
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/a-light-in-the-attic_1000/index.html"></a>
</div>
<p class="star-rating Three">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/a-light-in-the-attic_1000/index.html" title="A
Light in the Attic">A Light in the ...</a></h3>
<div class="product_price">
<p class="price_color">£51.77</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
```

```

</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/tipping-the-velvet_999/index.html"></a>
</div>
<p class="star-rating One">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/tipping-the-velvet_999/index.html"
title="Tipping the Velvet">Tipping the Velvet</a></h3>
<div class="product_price">
<p class="price_color">£53.74</p>
<p class="instock availability">
<i class="icon-ok"></i>

```

In stock

```

</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/soumission_998/index.html"></a>
</div>
<p class="star-rating One">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/soumission_998/index.html"

```

```
title="Soumission">Soumission</a></h3>
<div class="product_price">
<p class="price_color">£50.10</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/sharp-objects_997/index.html"></a>
</div>
<p class="star-rating Four">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/sharp-objects_997/index.html" title="Sharp
Objects">Sharp Objects</a></h3>
<div class="product_price">
<p class="price_color">£47.82</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
```

```
<div class="image_container">
<a
href="catalogue/sapiens-a-brief-history-of-humankind_996/index.html"><
img alt="Sapiens: A Brief History of Humankind" class="thumbnail"
src="media/cache/be/a5/bea5697f2534a2f86a3ef27b5a8c12a6.jpg"/></a>
</div>
<p class="star-rating Five">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a
href="catalogue/sapiens-a-brief-history-of-humankind_996/index.html"
title="Sapiens: A Brief History of Humankind">Sapiens: A Brief History
...</a></h3>
<div class="product_price">
<p class="price_color">£54.23</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/the-requiem-red_995/index.html"></a>
</div>
<p class="star-rating One">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/the-requiem-red_995/index.html" title="The
Requiem Red">The Requiem Red</a></h3>
<div class="product_price">
```

```
<p class="price_color">£22.65</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/the-dirty-little-secrets-of-getting-your-dream-
job_994/index.html"></a>
</div>
<p class="star-rating Four">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/the-dirty-little-secrets-of-getting-your-dream-
job_994/index.html" title="The Dirty Little Secrets of Getting Your
Dream Job">The Dirty Little Secrets ...</a></h3>
<div class="product_price">
<p class="price_color">£33.34</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
```

```
<div class="image_container">
<a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-the-
infamous-feminist-victoria-woodhull_993/index.html"></a>
</div>
<p class="star-rating Three">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/the-coming-woman-a-novel-based-on-the-life-of-
the-infamous-feminist-victoria-woodhull_993/index.html" title="The
Coming Woman: A Novel Based on the Life of the Infamous Feminist,
Victoria Woodhull">The Coming Woman: A ...</a></h3>
<div class="product_price">
<p class="price_color">£17.93</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/the-boys-in-the-boat-nine-americans-and-their-epic-
quest-for-gold-at-the-1936-berlin-olympics_992/index.html"></a>
</div>
<p class="star-rating Four">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
```

```
<h3><a href="catalogue/the-boys-in-the-boat-nine-americans-and-their-epic-quest-for-gold-at-the-1936-berlin-olympics_992/index.html" title="The Boys in the Boat: Nine Americans and Their Epic Quest for Gold at the 1936 Berlin Olympics">The Boys in the ...</a></h3>
<div class="product_price">
<p class="price_color">£22.60</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/the-black-maria_991/index.html"></a>
</div>
<p class="star-rating One">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/the-black-maria_991/index.html" title="The Black Maria">The Black Maria</a></h3>
<div class="product_price">
<p class="price_color">£52.15</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
```



```

</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a
href="catalogue/starving-hearts-triangular-trade-trilogy-1_990/index.h
tml"></a>
</div>
<p class="star-rating Two">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/starving-hearts-triangular-trade-trilogy-
1_990/index.html" title="Starving Hearts (Triangular Trade Trilogy,
#1)">Starving Hearts (Triangular Trade ...</a></h3>
<div class="product_price">
<p class="price_color">£13.99</p>
<p class="instock availability">
<i class="icon-ok"></i>

```

In stock

```

</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/shakespeares-sonnets_989/index.html"></a>
</div>
<p class="star-rating Four">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>

```

```
<h3><a href="catalogue/shakespeares-sonnets_989/index.html"
title="Shakespeare's Sonnets">Shakespeare's Sonnets</a></h3>
<div class="product_price">
<p class="price_color">£20.66</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/set-me-free_988/index.html"></a>
</div>
<p class="star-rating Five">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/set-me-free_988/index.html" title="Set Me
Free">Set Me Free</a></h3>
<div class="product_price">
<p class="price_color">£17.46</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
```

```

<article class="product_pod">
<div class="image_container">
<a href="catalogue/scott-pilgrims-precious-little-life-scott-pilgrim-1_987/index.html"></a>
</div>
<p class="star-rating Five">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/scott-pilgrims-precious-little-life-scott-pilgrim-1_987/index.html" title="Scott Pilgrim's Precious Little Life (Scott Pilgrim #1)">Scott Pilgrim's Precious Little ...</a></h3>
<div class="product_price">
<p class="price_color">£52.29</p>
<p class="instock availability">
<i class="icon-ok"></i>

```

In stock

```

</p>
<form>
<button class="btn btn-primary btn-block" data-loading-text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/rip-it-up-and-start-again_986/index.html"></a>
</div>
<p class="star-rating Five">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/rip-it-up-and-start-again_986/index.html" title="Rip it Up and Start Again">Rip it Up and ...</a></h3>
<div class="product_price">

```

<p class="price\_color">£35.02</p>  
<p class="instock availability">  
<i class="icon-ok"></i>

In stock

</p>  
<form>  
<button class="btn btn-primary btn-block" data-loading-  
text="Adding..." type="submit">Add to basket</button>  
</form>  
</div>  
</article>  
</li>  
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">  
<article class="product\_pod">  
<div class="image\_container">  
<a href="catalogue/our-band-could-be-your-life-scenes-from-the-  
american-indie-underground-1981-1991\_985/index.html"></a>  
</div>  
<p class="star-rating Three">  
<i class="icon-star"></i>  
<i class="icon-star"></i>  
<i class="icon-star"></i>  
<i class="icon-star"></i>  
<i class="icon-star"></i>  
</p>  
<h3><a href="catalogue/our-band-could-be-your-life-scenes-from-the-  
american-indie-underground-1981-1991\_985/index.html" title="Our Band  
Could Be Your Life: Scenes from the American Indie Underground, 1981-  
1991">Our Band Could Be ...</a></h3>  
<div class="product\_price">  
<p class="price\_color">£57.25</p>  
<p class="instock availability">  
<i class="icon-ok"></i>

In stock

</p>  
<form>  
<button class="btn btn-primary btn-block" data-loading-  
text="Adding..." type="submit">Add to basket</button>  
</form>  
</div>  
</article>  
</li>

```

<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/olio_984/index.html"></a>
</div>
<p class="star-rating One">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/olio_984/index.html" title="Olio">Olio</a></h3>
<div class="product_price">
<p class="price_color">£23.88</p>
<p class="instock availability">
<i class="icon-ok"></i>

```

In stock

```

</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/mesaerion-the-best-science-fiction-stories-1800-
1849_983/index.html"></a>
</div>
<p class="star-rating One">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/mesaerion-the-best-science-fiction-stories-
1800-1849_983/index.html" title="Mesaerion: The Best Science Fiction
Stories 1800-1849">Mesaerion: The Best Science ...</a></h3>
<div class="product_price">

```

```
<p class="price_color">£37.59</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/libertarianism-for-beginners_982/index.html"></a>
</div>
<p class="star-rating Two">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/libertarianism-for-beginners_982/index.html"
title="Libertarianism for Beginners">Libertarianism for
Beginners</a></h3>
<div class="product_price">
<p class="price_color">£51.33</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
<li class="col-xs-6 col-sm-4 col-md-3 col-lg-3">
<article class="product_pod">
<div class="image_container">
<a href="catalogue/its-only-the-himalayas_981/index.html"></a>
</div>
<p class="star-rating Two">
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
<i class="icon-star"></i>
</p>
<h3><a href="catalogue/its-only-the-himalayas_981/index.html"
title="It's Only the Himalayas">It's Only the Himalayas</a></h3>
<div class="product_price">
<p class="price_color">£45.17</p>
<p class="instock availability">
<i class="icon-ok"></i>
```

In stock

```
</p>
<form>
<button class="btn btn-primary btn-block" data-loading-
text="Adding..." type="submit">Add to basket</button>
</form>
</div>
</article>
</li>
</ol>
<div>
<ul class="pager">
<li class="current">
```

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```
</li>
<li class="next"><a href="catalogue/page-2.html">next</a></li>
</ul>
</div>
</div>
</section>
</div>
</div><!-- /row -->
</div><!-- /page_inner -->
</div><!-- /container-fluid -->
<footer class="footer container-fluid">
</footer>
<!-- jQuery -->
<script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min.js">
```

```

</script>
<script>window.jQuery || document.write('<script
src="static/oscar/js/jquery/jquery-1.9.1.min.js"><\script>')</script>
<!-- Twitter Bootstrap -->
<script src="static/oscar/js/bootstrap3/bootstrap.min.js"
type="text/javascript"></script>
<!-- Oscar -->
<script charset="utf-8" src="static/oscar/js/oscar/ui.js"
type="text/javascript"></script>
<script charset="utf-8" src="static/oscar/js/bootstrap-
datetimepicker/bootstrap-datetimepicker.js"
type="text/javascript"></script>
<script charset="utf-8" src="static/oscar/js/bootstrap-
datetimepicker/locales/bootstrap-datetimepicker.all.js"
type="text/javascript"></script>
<script type="text/javascript">
    $(function() {

        oscar.init();

        oscar.search.init();

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

data_iterator = Soup.select('h3,p')
data_iterator
len(data_iterator)

80

data = []
for i in range(1,len(data_iterator),4):
    Title = data_iterator[i].text.strip()
    Product_price = data_iterator[i+1].text.strip().replace('Â', '')
    Avaibility = data_iterator[i+2].text.strip()
    data.append((
        Title,
        Product_price,
        Avaibility
    ))
data

```



```
[('A Light in the ...', '£51.77', 'In stock'),
 ('Tipping the Velvet', '£53.74', 'In stock'),
 ('Soumission', '£50.10', 'In stock'),
 ('Sharp Objects', '£47.82', 'In stock'),
 ('Sapiens: A Brief History ...', '£54.23', 'In stock'),
 ('The Requiem Red', '£22.65', 'In stock'),
 ('The Dirty Little Secrets ...', '£33.34', 'In stock'),
 ('The Coming Woman: A ...', '£17.93', 'In stock'),
 ('The Boys in the ...', '£22.60', 'In stock'),
 ('The Black Maria', '£52.15', 'In stock'),
 ('Starving Hearts (Triangular Trade ...', '£13.99', 'In stock'),
 ('Shakespeare's Sonnets', '£20.66', 'In stock'),
 ('Set Me Free', '£17.46', 'In stock'),
 ('Scott Pilgrim's Precious Little ...', '£52.29', 'In stock'),
 ('Rip it Up and ...', '£35.02', 'In stock'),
 ('Our Band Could Be ...', '£57.25', 'In stock'),
 ('Olio', '£23.88', 'In stock'),
 ('Mesaerion: The Best Science ...', '£37.59', 'In stock'),
 ('Libertarianism for Beginners', '£51.33', 'In stock'),
 ('It's Only the Himalayas', '£45.17', 'In stock')]
```

*#Create Dataframe using data by defining the column headers*

```
df = pd.DataFrame(data, columns=['Book Name', 'Price', 'Availability'])
df.head()
```

	Book Name	Price	Availability
0	A Light in the ...	£51.77	In stock
1	Tipping the Velvet	£53.74	In stock
2	Soumission	£50.10	In stock
3	Sharp Objects	£47.82	In stock
4	Sapiens: A Brief History ...	£54.23	In stock

*#Saving the dataframe*

```
df.to_excel(r"Book to Store.xlsx", index=False)
print("Data saved to products_data.xlsx")
```

Data saved to products\_data.xlsx

```
df.columns
```

```
Index(['Book Name', 'Price', 'Availability'], dtype='object')
```