



```
In [138]: 1 from bs4 import BeautifulSoup
          2
          3 #installations
          4 !pip install pandas
          5 !pip install requests
          6 !pip install beautifulsoup4
          7
          8 # importing
          9 from urllib import response
         10 import requests
         11 import pandas as pd
         12 from bs4 import BeautifulSoup4
```

```
Requirement already satisfied: pandas in c:\users\hp\anaconda3\lib\site-packages (1.2.4)
Requirement already satisfied: numpy>=1.16.5 in c:\users\hp\anaconda3\lib\site-packages (from pandas) (1.20.1)
Requirement already satisfied: python-dateutil>=2.7.3 in c:\users\hp\anaconda3\lib\site-packages (from pandas) (2.8.1)
Requirement already satisfied: pytz>=2017.3 in c:\users\hp\anaconda3\lib\site-packages (from pandas) (2021.1)
Requirement already satisfied: six>=1.5 in c:\users\hp\anaconda3\lib\site-packages (from python-dateutil>=2.7.3->pandas) (1.15.0)
Requirement already satisfied: requests in c:\users\hp\anaconda3\lib\site-packages (2.25.1)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\hp\anaconda3\lib\site-packages (from requests) (1.26.4)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\hp\anaconda3\lib\site-packages (from requests) (2020.12.5)
Requirement already satisfied: chardet<5,>=3.0.2 in c:\users\hp\anaconda3\lib\site-packages (from requests) (4.0.0)
Requirement already satisfied: idna<3,>=2.5 in c:\users\hp\anaconda3\lib\site-packages (from requests) (2.10)
Requirement already satisfied: beautifulsoup4 in c:\users\hp\anaconda3\lib\site-packages (4.9.3)
Requirement already satisfied: soupsieve>1.2 in c:\users\hp\anaconda3\lib\site-packages (from beautifulsoup4) (2.2.1)
```

-----



```
In [62]: 1 response=requests.get('https://www.snapdeal.com/products/electronics-home-audio-systems?sort=plrty')
          2 response
```

Out[62]: <Response [200]>

```
In [63]: 1 response=requests.get('https://www.snapdeal.com/products/electronics-home-audio-systems?sort=plrty')
          2 bs=BeautifulSoup(response.content,'html.parser')
          3 bs
```

Out[63]: <!DOCTYPE html>

```
<!--[if IE 8]><html lang="en" class="ie ie8 lt-ie9 lt-ie10"> <![endif]-->
<!--[if IE 9]><html lang="en" class="ie ie9 lt-ie10"> <![endif]-->
<!--[if IE]><html lang="en" class="ie"><![endif]-->
<!--[if gt IE 9]><!--><html lang="en"><!--<![endif]-->
<head prefix="og: https://ogp.me/ns# fb: https://ogp.me/ns/fb# snapdeallog: https://ogp.me/ns/fb/snapdeallog#">
<link href="https://i1.sdlcdn.com" rel="dns-prefetch"/>
<link href="https://i2.sdlcdn.com" rel="dns-prefetch"/>
<link href="https://i3.sdlcdn.com" rel="dns-prefetch"/>
<link href="https://i4.sdlcdn.com" rel="dns-prefetch"/>
<link href="https://n1.sdlcdn.com" rel="dns-prefetch"/>
<link href="https://n2.sdlcdn.com" rel="dns-prefetch"/>
<link href="https://n3.sdlcdn.com" rel="dns-prefetch"/>
<link href="https://n4.sdlcdn.com" rel="dns-prefetch"/>
<link href="https://sa.snapdeal.com" rel="dns-prefetch"/>
<link href="https://search-suggester.snapdeal.com" rel="dns-prefetch"/>
<link href="https://mobileapi.snapdeal.com" rel="dns-prefetch"/>
<link href="/manifest.json" rel="manifest"/>
```

Code 

```
1 response=requests.get('https://www.snapdeal.com/products/electronics-home-audio-systems?sort=prty')
2 bs=BeautifulSoup(response.content,'html.parser')
3 bs.prettify()
```

```
<!DOCTYPE html>\n<!--[if IE 8]>\n<html lang="en" class="ie ie8 lt-ie9 lt-ie10"> \n<![endif]-->\n<!--[if IE 9]>\n<html lang="en" class="ie ie9 lt-ie10"> \n<![endif]-->\n<!--[if IE]>\n<html lang="en" class="ie">\n<![endif]-->\n<!--[if gt IE 9]>\n<!-->\n<html lang="en">\n<!-->\n<![endif]-->\n<head prefix="og: https://ogp.me/ns# fb: https://ogp.me/ns/fb# snapdeallog: https://ogp.me/ns/fb/snapdeallog#">\n  <link href="https://i1.sdlcdn.com" rel="dns-prefetch"/>\n  <link href="https://i2.sdlcdn.com" rel="dns-prefetch"/>\n  <link href="https://i3.sdlcdn.com" rel="dns-prefetch"/>\n  <link href="https://i4.sdlcdn.com" rel="dns-prefetch"/>\n  <link href="https://n1.sdlcdn.com" rel="dns-prefetch"/>\n  <link href="https://n2.sdlcdn.com" rel="dns-prefetch"/>\n  <link href="https://n3.sdlcdn.com" rel="dns-prefetch"/>\n  <link href="https://n4.sdlcdn.com" rel="dns-prefetch"/>\n  <link href="https://sa.snapdeal.com" rel="dns-prefetch"/>\n  <link href="https://search-suggester.snapdeal.com" rel="dns-prefetch"/>\n  <link href="https://mobileapi.snapdeal.com" rel="dns-prefetch"/>\n  <link href="/manifest.json" rel="manifest"/>\n  <link as="script" crossorigin="anonymous" href="https://i4.sdlcdn.com/js/1639746993560/snap/base.jquery111.min.js" rel="preload"/>\n  <link href="https://i2.sdlcdn.com/css/1639746993560/snap/common/scss/base.min.css" rel="stylesheet" type="text/css">\n  <link href="https://www.snapdeal.com/opensearch.xml" rel="search" type="application/opensearchdescription+xml">\n  <link href="https://plus.google.com/+snapdeal" rel="publisher"/>\n  <link href="https://m.snapdeal.com/products/electronics-home-audio-systems" media="handheld" rel="alternate"/>\n  <link href="https://www.snapdeal.com/img/icons/finalFavicon.ico" rel="shortcut icon" type="image/x-icon"/>\n  <link href="https://www.snapdeal.com/img/icons/finalFavicon.ico" rel="icon" type="image/ico"/>\n  <link href="android-app://com.snapdeal.main/snapdeal/m.snapdeal.com/products/electronics-home-audio-systems" rel="alternate"/>\n  <meta content="IE=edge" http-equiv="X-UA-Compatible"/>\n  <meta content="wOEx6eudvpoTmmIuJw96ugPyq-TH_199kxmE9YqUQNM" name="google-site-verification"/>\n  <meta content="431A1F370506446F4F451D7B16EE166C" name="msvalidate.01"/>\n  <meta content="b8b20c3f440781c8" name="y_key"/>\n  <meta content="telephone=no" name="format-detection"/>\n  <meta content="utf-8" charset="utf-8" title="Home Audio Systems Buy Home Audio Systems Online at Best Prices in India at Snapdeal">
```

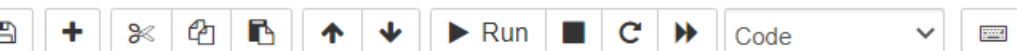
```
1 response=requests.get('https://www.snapdeal.com/products/electronics-home-audio-systems?sort=plrty')
2 bs=BeautifulSoup(response.content,'html.parser')
3 snapdeal_audio=bs.find_all('p', class_="product-title")
4 snapdeal_audio
```

[<p class="product-title" title="iGear Ensemble 20 watts Wooden Portable Soundbar with Wireless Bluetooth connectivity, Rechargeable, with USB/TF Card Support, FM Mode and Sub-woofer for Extra Bass">iGear Ensemble 20 watts Wooden Portable Soundbar with Wireless Bluetooth connectivity, Rechargeable, with USB/TF Card Support, FM Mode and Sub-woofer for Extra Bass</p>,<p class="product-title" title="iGear Delight 10 Watts Wireless Sound bar Speaker with Multiple Playback Options, Inbuilt Sub-Woofers, FM Radio, BT, Micro SD Slot,USB Slot (Black)">iGear Delight 10 Watts Wireless Sound bar Speaker with Multiple Playback Options, Inbuilt Sub-Woofers, FM Radio, BT, Micro SD Slot,USB Slot (Black)</p>,<p class="product-title" title="Landmark GDB 05 Bass Soundbar">Landmark GDB 05 Bass Soundbar</p>]



```
In [66]: 1 response=requests.get('https://www.snapdeal.com/products/electronics-home-audio-systems?sort=plrty')
2 bs=BeautifulSoup(response.content,'html.parser')
3 snapdeal_audio=bs.find_all('p', class_="product-title")
4
5 audio=[]
6 for i in range(0,len(snapdeal_audio)):
7     audio.append(snapdeal_audio[i].get_text().strip())
8 audio
```

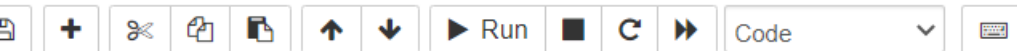
```
Out[66]: ['iGear Ensemble 20 watts Wooden Portable Soundbar with Wireless Bluetooth connectivity, Rechargeable, with USB/TF Card Support
t, FM Mode and Sub-woofer for Extra Bass',
'iGear Delight 10 Watts Wireless Sound bar Speaker with Multiple Playback Options, Inbuilt Sub-Woofer, FM Radio, BT, Micro SD
Slot,USB Slot (Black)',
'Landmark GOD OF BASS Soundbar',
'Landmark Carrier\x0 Hi-Fi System',
'Landmark Volcano Hi-Fi System',
'Landmark ROAR Soundbar',
'Landmark GOD OF BASS Soundbar',
'Landmark Pump Hi-Fi System',
'Landmark ROAR Soundbar',
'Landmark ROAR Soundbar',
'TECNIA Atom 704 Bluetooth Home Theatre',
'TECNIA 1106 BT Tower Component Home Theatre System',
'Tecnia Super King 50W 5.1 Channel Bluetooth Wired Home Theater/home theatres/television/ sound speaker systems/home theatr
e systems/ Speaker Systems/hometheatre systems/home theatres low price - Black-',
'TECNIA Atom 1105 ST Floor Standing Tower Speaker 60 W Bluetooth Tower Speaker\x0(Red, 2.0 Channel)',
'Tecnia STAR 5004 3D Blu-ray Player Home Theatre System',
'TECNIA Atom 701 Bluetooth Bluetooth Home Theatre (Black, 7.1 Channel)',
'Tecnia TECNIA 512 5.1 Speaker System',
'TECNIA Atom 702 Bluetooth 7.1 Channel Home Theater Multimedia Speaker System Bluetooth Home Theatre (Black, 7.1 Channel)',
'TECNIA Atom 703 Bluetooth Home Theatre (Black, 7.1 Channel',
'TECNIA Super King 511 Bluetooth 5.1 Channel 50 W Bluetooth Home Theatre']
```



```
In [67]: 1 response=requests.get('https://www.snapdeal.com/products/electronics-home-audio-systems?sort=plrty')
          2 bs=BeautifulSoup(response.content,'html.parser')
          3 snapdeal_offer_price=bs.find_all('span', class_='lfloat product-price')
          4
          5 offer_price=[]
          6 for i in range(0,len(snapdeal_offer_price)):
          7     offer_price.append(snapdeal_offer_price[i].get_text().strip())
          8 offer_price
```

```
Out[67]: ['Rs. 1,999',
          'Rs. 1,750',
          'Rs. 2,999',
          'Rs. 5,000',
          'Rs. 2,146',
          'Rs. 3,104',
          'Rs. 1,025',
          'Rs. 2,146',
          'Rs. 2,999',
          'Rs. 2,146',
          'Rs. 3,241',
          'Rs. 3,192',
          'Rs. 2,689',
          'Rs. 3,094',
          'Rs. 2,996',
          'Rs. 3,286',
          'Rs. 2,685',
          'Rs. 3,041',
          'Rs. 3,921',
          'Rs. 2,945']
```





```
In [68]: 1 response=requests.get('https://www.snapdeal.com/products/electronics-home-audio-systems?sort=plrty')
2 bs=BeautifulSoup(response.content,'html.parser')
3 snapdeal_original_price=bs.find_all('span', class_='lfloat product-desc-price strike')
4
5 original_price=[]
6 for i in range(0,len(snapdeal_original_price)):
7     original_price.append(snapdeal_original_price[i].get_text().strip())
8 original_price
```

```
Out[68]: ['Rs. 3,000',
'Rs. 1,999',
'Rs. 3,999',
'Rs. 2,199',
'Rs. 5,999',
'Rs. 1,299',
'Rs. 3,999',
'Rs. 2,199',
'Rs. 4,999',
'Rs. 2,199',
'Rs. 4,999',
'Rs. 4,999',
'Rs. 4,999',
'Rs. 3,500',
'Rs. 4,999',
'Rs. 4,999',
'Rs. 6,000',
'Rs. 3,500',
'Rs. 4,000',
'Rs. 4,990',
'Rs. 4,000']
```



```
In [127]: 1 response=requests.get('https://www.snapdeal.com/products/electronics-home-audio-systems?sort=plrty')
          2 bs=BeautifulSoup(response.content,'html.parser')
          3 snapdeal_discount=bs.find_all('div', class_='product-discount')
          4
          5 discount=[]
          6 for i in range(0,len(snapdeal_discount)):
          7     discount.append(snapdeal_discount[i].get_text().strip())
          8 discount
```

```
Out[127]: ['33% Off',
           '12% Off',
           '25% Off',
           '2% Off',
           '2% Off',
           '25% Off',
           '21% Off',
           '17% Off',
           '38% Off',
           '2% Off',
           '35% Off',
           '36% Off',
           '23% Off',
           '48% Off',
           '40% Off',
           '34% Off',
           '23% Off',
           '35% Off',
           '26% Off',
           '49% Off']
```

In [128]:



In [129]:

```
1
2 response=requests.get('https://www.snapdeal.com/products/electronics-home-audio-systems?sort=plrty')
3 bs=BeautifulSoup(response.content,'html.parser')
4 snapdeal_images=bs.find_all('img', class_="product-image")
5
6 images=[]
7 for i in range(0,len(snapdeal_images)):
8     images.append(snapdeal_images[i])
9
10 images
```

Out[129]:

```
[,
 ,
 ,
 ,
 ,
 ,
 ,
 ,
 ,
 ,
 ,
 <img class="product-image lazy-load" data-src="https://n3.sdlcdn.com/imgs/i/y/e/230X258_sharpened/Tecnia-1106-BT-Tower-Compone
```







```
In [130]: 1 df=pd.DataFrame()
2 df['audio_names']=audio
3 df['orinal_price']=original_price
4 df['offer_price']=offer_price
5 df['discount']=discount
6 df['images']=images
7 df
```

Out[130]:

	audio_names	orinal_price	offer_price	discount	images
0	iGear Ensemble 20 watts Wooden Portable Soundb...	Rs. 3,000	Rs. 1,999	33% Off	[]
1	iGear Delight 10 Watts Wireless Sound bar Spea...	Rs. 1,999	Rs. 1,750	12% Off	[]
2	Landmark GOD OF BASS Soundbar	Rs. 3,999	Rs. 2,999	25% Off	[]
3	Landmark Carrier Hi-Fi System	Rs. 2,199	Rs. 5,000	2% Off	[]
4	Landmark Volcano Hi-Fi System	Rs. 5,999	Rs. 2,146	2% Off	[]
5	Landmark ROAR Soundbar	Rs. 1,299	Rs. 3,104	25% Off	[]
6	Landmark GOD OF BASS Soundbar	Rs. 3,999	Rs. 1,025	21% Off	[]
7	Landmark Pump Hi-Fi System	Rs. 2,199	Rs. 2,146	17% Off	[]
8	Landmark ROAR Soundbar	Rs. 4,999	Rs. 2,999	38% Off	[]
9	Landmark ROAR Soundbar	Rs. 2,199	Rs. 2,146	2% Off	[]
10	TECNIA Atom 704 Bluetooth Home Theatre	Rs. 4,999	Rs. 3,241	35% Off	[]
11	TECNIA 1106 BT Tower Component Home Theatre Sy...	Rs. 4,999	Rs. 3,192	36% Off	[]
12	Tecnia Super King 50W 5.1 Channel Bluetooth Wi...	Rs. 3,500	Rs. 2,689	23% Off	[]
13	TECNIA Atom 1105 ST Floor Standing Tower Speak...	Rs. 4,999	Rs. 3,094	48% Off	[]
14	Tecnia STAR 5004 3D Blu-ray Player Home Theatr...	Rs. 4,999	Rs. 2,996	40% Off	[]
15	TECNIA Atom 701 Bluetooth Bluetooth Home Theat...	Rs. 6,000	Rs. 3,286	34% Off	[]
16	Tecnia TECNIA 512 5.1 Speaker System	Rs. 3,500	Rs. 2,685	23% Off	[]



Logout

File Edit View Insert Cell Kernel Widgets Help

Not Trusted

Python 3

Run Code

Out[130]:

	audio_names	orinal_price	offer_price	discount	images
0	iGear Ensemble 20 watts Wooden Portable Soundb...	Rs. 3,000	Rs. 1,999	33% Off	
1	iGear Delight 10 Watts Wireless Sound bar Spea...	Rs. 1,999	Rs. 1,750	12% Off	
2	Landmark GOD OF BASS Soundbar	Rs. 3,999	Rs. 2,999	25% Off	
3	Landmark Carrier Hi-Fi System	Rs. 2,199	Rs. 5,000	2% Off	
4	Landmark Volcano Hi-Fi System	Rs. 5,999	Rs. 2,146	2% Off	
5	Landmark ROAR Soundbar	Rs. 1,299	Rs. 3,104	25% Off	
6	Landmark GOD OF BASS Soundbar	Rs. 3,999	Rs. 1,025	21% Off	
7	Landmark Pump Hi-Fi System	Rs. 2,199	Rs. 2,146	17% Off	
8	Landmark ROAR Soundbar	Rs. 4,999	Rs. 2,999	38% Off	
9	Landmark ROAR Soundbar	Rs. 2,199	Rs. 2,146	2% Off	
10	TECNIAAtom 704 Bluetooth Home Theatre	Rs. 4,999	Rs. 3,241	35% Off	
11	TECNIA 1106 BT Tower Component Home Theatre Sy...	Rs. 4,999	Rs. 3,192	36% Off	
12	Tecnia Super King 50W 5.1 Channel Bluetooth Wi...	Rs. 3,500	Rs. 2,689	23% Off	
13	TECNIAAtom 1105 ST Floor Standing Tower Speak...	Rs. 4,999	Rs. 3,094	48% Off	
14	Tecnia STAR 5004 3D Blu-ray Player Home Theatr...	Rs. 4,999	Rs. 2,996	40% Off	
15	TECNIAAtom 701 Bluetooth Bluetooth Home Theat...	Rs. 6,000	Rs. 3,286	34% Off	
16	Tecnia TECNIA 512 5.1 Speaker System	Rs. 3,500	Rs. 2,685	23% Off	
17	TECNIAAtom 702 Bluetooth 7.1 Channel Home The...	Rs. 4,000	Rs. 3,041	35% Off	
18	TECNIAAtom 703 Bluetooth Home Theatre (Black,...	Rs. 4,990	Rs. 3,921	26% Off	
19	TECNIA Super King 511 Bluetooth 5.1 Channel 50...	Rs. 4,000	Rs. 2,945	49% Off	

In [135]: 1 df.to\_excel('snapdeal-audio-webscrapping\_data.')



```
1 ,audio_names,orinal_price,offer_price,discount,images
2 0,"iGear Ensemble 20 watts Wooden Portable Soundbar with Wireless Bluetooth connectivity, Rechargeable, with USB/TF Card Support, FM Mode and Sub-woofer for Extra Bass","Rs. 3,000","Rs. 1,999",33% Off,"<img class=""product-image"" src=""https://n4.sdlcdn.com/imgs/j/t/q/230X258_sharpened/igear-ig-1130-Soundbar-SDL667402802-1-6161c.jpeg"" title=""iGear Ensemble 20 watts Wooden Portable Soundbar with Wireless Bluetooth connectivity, Rechargeable, with USB/TF Card Support, FM Mode and Sub-woofer for Extra Bass""/>"
3 1,"iGear Delight 10 Watts Wireless Sound bar Speaker with Multiple Playback Options, Inbuilt Sub-woofer, FM Radio, BT, Micro SD Slot,USB Slot (Black)","Rs. 1,999","Rs. 1,750",12% Off,"<img class=""product-image"" src=""https://n4.sdlcdn.com/imgs/j/q/v/230X258_sharpened/igear-Delight-Soundbar-SDL849648676-1-7e583.png"" title=""iGear Delight 10 Watts Wireless Sound bar Speaker with Multiple Playback Options, Inbuilt Sub-woofer, FM Radio, BT, Micro SD Slot,USB Slot (Black)""/>"
4 2,Landmark GOD OF BASS Soundbar,"Rs. 3,999","Rs. 2,999",25% Off,"<img class=""product-image"" src=""https://n1.sdlcdn.com/imgs/k/e/4/230X258_sharpened/Landmark_God_Of_Bass_Bluetooth_SDL484961808_7_89123-23bec.png"" title=""Landmark GOD OF BASS Soundbar""/>"
5 3,Landmark Carrier Hi-Fi System,"Rs. 2,199","Rs. 5,000",2% Off,"<img class=""product-image"" src=""https://n4.sdlcdn.com/imgs/k/e/0/230X258_sharpened/Landmark-Pump-Hi-Fi-System-SDL818613444-1-e62e0.jpg"" title=""Landmark Pump Hi-Fi System""/>"
6 4,Landmark Volcano Hi-Fi System,"Rs. 5,999","Rs. 2,146",2% Off,"<img class=""product-image lazy-load"" data-src=""https://n2.sdlcdn.com/imgs/k/e/4/230X258_sharpened/Landmark_God_Of_Bass_Bluetooth_SDL480149064_4_9a910-e5d60.png"" title=""Landmark GOD OF BASS Soundbar""/>"
7 5,Landmark ROAR Soundbar,"Rs. 1,299","Rs. 3,104",25% Off,"<img class=""product-image lazy-load"" data-src=""https://n3.sdlcdn.com/imgs/k/e/y/230X258_sharpened/Landmark-ROAR-Soundbar-SDL642053448-1-03edb.jpg"" title=""Landmark ROAR Soundbar""/>"
8 6,Landmark GOD OF BASS Soundbar,"Rs. 3,999","Rs. 1,025",21% Off,"<img class=""product-image lazy-load"" data-src=""https://n1.sdlcdn.com/imgs/k/e/0/230X258_sharpened/Landmark-Carrier-Hi-Fi-System-SDL840338811-1-2c9e5.jpg"" title=""Landmark Carrier Hi-Fi System""/>"
9 7,Landmark Pump Hi-Fi System,"Rs. 2,199","Rs. 2,146",17% Off,"<img class=""product-image lazy-load"" data-src=""https://n1.sdlcdn.com/imgs/k/e/y/230X258_sharpened/Landmark-ROAR-Soundbar-SDL645433197-1-066bd.jpg"" title=""Landmark ROAR Soundbar""/>"
10 8,Landmark ROAR Soundbar,"Rs. 4,999","Rs. 2,999",38% Off,"<img class=""product-image lazy-load"" data-src=""https://n4.sdlcdn.com/imgs/k/e/0/230X258_sharpened/Landmark-Volcano-Hi-Fi-System-SDL807235675-1-a94c1.jpg"" title=""Landmark Volcano Hi-Fi System""/>"
11 9,Landmark ROAR Soundbar,"Rs. 2,199","Rs. 2,146",2% Off,"<img class=""product-image lazy-load"" data-src=""https://n4.sdlcdn.com/imgs/k/e/y/230X258_sharpened/Landmark-ROAR-Soundbar-SDL878696783-1-2d236.jpg"" title=""Landmark ROAR Soundbar""/>"
12 10,TECNIA Atom 704 Bluetooth Home Theatre,"Rs. 4,999","Rs. 3,241",35% Off,"<img class=""product-image lazy-load"" data-
```

