

```
In [1]: import requests
        from bs4 import BeautifulSoup
        import pandas as pd
```

```
In [2]: url='https://www.flipkart.com/vehicles/bikes-scooters/~cs-04iannaa01/pr?sid=7dk%2
```

```
In [3]: url_req=requests.get(url)
```

```
In [4]: url_req.status_code
```

```
Out[4]: 200
```

```
In [5]: print(url_req.text)
```

```
<!doctype html><html lang="en"><head><link href="https://rukminim1.flixcart.c
om" rel="preconnect"/><link rel="stylesheet" href="//static-assets-web.flixca
rt.com/fk-p-linchpin-web/fk-cp-zion/css/app_modules.chunk.905c37.css"/><link
rel="stylesheet" href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-
cp-zion/css/app.chunk.104e9a.css"/><meta http-equiv="Content-type" content="t
ext/html; charset=utf-8"/><meta http-equiv="X-UA-Compatible" content="IE=Edg
e"/><meta property="fb:page_id" content="102988293558"/><meta property="fb:ad
mins" content="658873552,624500995,100000233612389"/><meta name="robots" cont
ent="noodp"/><link rel="shortcut icon" href="https://static-assets-web.flixca
rt.com/www/promos/new/20150528-140547-favicon-retina.ico"/><link type="applic
ation/opensearchdescription+xml" rel="search" href="/osdd.xml?v=2"/><meta pro
perty="og:type" content="website"/><meta name="og_site_name" property="og:sit
e_name" content="Flipkart.com"/><link rel="apple-touch-icon" sizes="57x57" hr
ef="/apple-touch-icon-57x57.png"/><link rel="apple-touch-icon" sizes="72x72"
href="/apple-touch-icon-72x72.png"/><link rel="apple-touch-icon" sizes="114x1
14" href="/apple-touch-icon-114x114.png"/><link rel="apple-touch-icon" sizes
="144x144" href="/apple-touch-icon-144x144.png"/><link rel="apple-touch-icon"
href="/apple-touch-icon-57x57.png"/><meta name="twitter:card" content="app"><
meta name="twitter:site" content="@flipkart"><meta name="twitter:creator" con
```

```
In [6]: soup=BeautifulSoup(url_req.content, "lxml")
```

In [7]: `print(soup.prettify())`

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <link href="https://rukminim1.flixcart.com" rel="preconnect"/>
    <link href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/c
ss/app_modules.chunk.905c37.css" rel="stylesheet"/>
    <link href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/c
ss/app.chunk.104e9a.css" rel="stylesheet"/>
    <meta content="text/html; charset=utf-8" http-equiv="Content-type"/>
    <meta content="IE=Edge" http-equiv="X-UA-Compatible"/>
    <meta content="102988293558" property="fb:page_id"/>
    <meta content="658873552,624500995,100000233612389" property="fb:admins"/>
    <meta content="noodp" name="robots"/>
    <link href="https://static-assets-web.flixcart.com/www/promos/new/20150528-
140547-favicon-retina.ico" rel="shortcut icon"/>
    <link href="/osdd.xml?v=2" rel="search" type="application/opensearchdescrip
tion+xml"/>
    <meta content="website" property="og:type"/>
    <meta content="Flipkart.com" name="og_site_name" property="og:site_name"/>
```

In [8]: `soup.title`

Out[8]: `<title>EV Collection Mall Mode - Buy EV Collection Mall Mode Online at Low Prices In India | Flipkart.com</title>`

In [9]: `soup.title.string`

Out[9]: `'EV Collection Mall Mode - Buy EV Collection Mall Mode Online at Low Prices In India | Flipkart.com'`

In [10]: `soup.div`

```
<div id="container"><div><div class="_1kfTjk"><div class="_1rH5Jn"><div class
="_1TmfNK"></div><div class="_2Xfa2"><div class="_3_C9Hx"><div class="_3qX0z
y"><a href="/"></a><a class="_21ljIi" href="/plus">Explore<!-- --> <
span class="_2FVHGh">Plus</span></a></div></div><
div class="_1cmsER"><form action="/search" class="_2M8cLY header-form-search"
method="GET"><div class="col-12-12 _2o09oE"><div class="_3005Xc"><input autoc
omplete="off" class="_3704LK" name="q" placeholder="Search for products, bran
ds and more" title="Search for products, brands and more" type="text" value
=""></div><button class="L0Z3Pu" type="submit"><svg class="" height="20" vie
wbox="0 0 17 18" width="20" xmlns="http://www.w3.org/2000/svg"><g fill="#2874
F1" fill-rule="evenodd"><path class="_34RNph" d="m11.618 9.89714.225 4.212c.0
92.092.101.232.02.3131-1.465 1.46c-.081.081-.221.072-.314-.021-4.216-4.203">
</path><path class="_34RNph" d="m6.486 10.901c-2.42 0-4.381-1.956-4.381-4.368
0-2.413 1.961-4.369 4.381-4.369 2.42 0 4.381 1.956 4.381 4.369 0 2.413-1.961
4.368-4.381 4.368m0-10.835c-3.582 0-6.486 2.895-6.486 6.467 0 3.572 2.904 6.4
67 6.486 6.467 3.582 0 6.486-2.895 6.486-6.467 0-3.572-2.904-6.467-6.486-6.46
```

soup.a

```
<a href="/"></a>
```

```
soup.find_all("a")
```

[illegible]

```
all_links=soup.find_all('a')
for r in all_links:
    print(r.get('href'))
```

```
/
/plus
/account/login?ret=/vehicles/bikes-scooters/~cs-04iannaa01/pr%3Fsid%3D7dk%252C0aj%26collection-tab-name%3DEV%2520Collection%2520Mall%2520Mode%26fm%3Dneo%252Fmerchandising%26iid%3DM_d4b09ed4-e8b3-48fa-8049-ae4c261d7b24_1_372UD5BXDFYS_MC.YDHGX9Q7S02M%26otracker%3Dhp_rich_navigation_10_1.navigationCard.RICH_NAVIGATION_2-Wheelers_YDHGX9Q7S02M%26otracker1%3Dhp_rich_navigation_PINNED_neo%252Fmerchandising_NA_NAV_EXPANDABLE_navigationCard_cc_10_L0_view-all%26cid%3DYDHGX9Q7S02M
https://seller.flipkart.com/sell-online/?utm_source=fkwebsite&utm_medium=websitedirect (https://seller.flipkart.com/sell-online/?utm_source=fkwebsite&utm_medium=websitedirect)
/viewcart?exploreMode=true&preference=FLIPKART
/vehicles/pr?sid=7dk&otracker=categorytree
/vehicles/bikes-scooters/pr?sid=7dk,0aj&otracker=categorytree
/vehicles/bikes-scooters/ice-bikes-scooters/~cs-04iannaa01/pr?sid=7dk,0aj,kcq&otracker=categorytree
/vehicles/bikes-scooters/electric-bikes-scooters/~cs-04iannaa01/pr?sid=7dk,0aj,kuz&otracker=categorytree
```

```
In [14]: all_table=soup.find_all("table")
print(all_table)
```

```
[]
```

```
In [ ]: <div class="_4ddWXP" data-tkid="0e1c8aab-9c11-4907-a9da-b4712c91006a.EBKGG7N5FFVF
```

```
In [54]: model=soup.findAll('div',{'class': '_4ddWXP'})
model
```

```
Out[54]: [<div class="_4ddWXP"><a class="_2rpwqI" href="/hero-destini-125-drum-booking-
-ex-showroom-price-matte-ray-silver/p/itm8c0c568d08fc5?pid=EBKGG7N5VSNHPMGH&a
mp;lid=LSTEBKGG7N5VSNHPMGHAJZMVS&marketplace=FLIPKART&store=7dk%2F0aj
&srno=b_1_1&otracker=hp_rich_navigation_10_1.navigationCard.RICH_NAVI
GATION_2-Wheelers_YDHGX9Q7S02M&otracker1=hp_rich_navigation_PINNED_neo%2F
merchandising_NA_NAV_EXPANDABLE_navigationCard_cc_10_L0_view-all&fm=organ
ic&iid=c786930b-6fff-4f55-a254-605bc36d0bf7.EBKGG7N5VSNHPMGH.SEARCH&p
pt=None&ppn=None&ssid=fa0q9moo6o0000001668445506668" rel="noopener no
referrer" target="_blank"><div><div><div class="CXW8mj" style="height:280px;w
idth:200px"></div></div></div><div class="_2hVSre_1eAP-x"><div class="_36FSn
5"><svg class="_1l0elc" height="16" viewBox="0 0 20 16" width="16" xmlns="htt
p://www.w3.org/2000/svg"><path class="eX72wL" d="M8.695 16.682C4.06 12.382 1
9.536 1 6.065 1 3.219 3.178 1 5.95 1c1.566 0 3.069.746 4.05 1.915C10.981 1.74
5 12.484 1 14.05 1 16.822 1 19 3.22 19 6.065c0 3.471-3.06 6.316-7.695 10.617L
10 17.897l-1.305-1.215z" fill="#2874F0" fill-rule="evenodd" opacity=".9" stro
ke="#FFF"></path></svg></div></div></a><a class="s1Q9rs" href="/hero-destini-
125-drum-booking-ex-showroom-price-matte-ray-silver/p/itm8c0c568d08fc5?pid=EB
```

```
In [55]: vehicle_name= []
for i in model:
    p=i.text
    vehicle_name.append(p)
print(vehicle_name)
```

```
['HERO Destini 125 Drum Booking for Ex-showroom Price (Ma...₹82,758Free deliv
eryAdd to Compare', 'HERO Maestro Edge 125 Disc Booking for Ex-showroom Pri
c...4.7(9)₹87,466Free deliveryAdd to Compare', 'HERO Pleasure+ XTEC Drum Book
ing for Ex-showroom Price ...4.4(20)₹76,228Free deliveryAdd to Compare', 'HER
O Maestro Edge 125 Drum Booking for Ex-showroom Pric...₹82,446Free deliveryAd
d to Compare', 'HERO Glamour XTEC Drum Booking for Ex-showroom Price (G...4.3
(49)₹85,738Free deliveryAdd to Compare', 'HERO Passion XTEC Drum Booking for
Ex-showroom Price (B...4.6(7)₹76,758Free deliveryAdd to Compare', 'HERO Glamo
ur XTEC Disc Booking for Ex-showroom Price (M...4.5(45)₹89,838Free deliveryAd
d to Compare', 'HERO Glamour XTEC Disc Booking for Ex-showroom Price (G...4.5
(45)₹89,379Free deliveryAdd to Compare', 'Ampere Magnus EX Booking for Ex-sho
wroom Price (With Ch...3.9(63)₹77,249Free deliveryAdd to Compare', 'BGauss BG
D15 Pro Booking for Ex-showroom Price (With C...₹1,14,999Free deliveryAdd to
Compare', 'Ampere Magnus EX Booking for Ex-showroom Price (With Ch...3.9(63)
₹77,249Free deliveryAdd to Compare', 'Bounce Infinity E1 Booking for Ex-showr
oom Price (Witho...3.9(90)₹79,999Free deliveryAdd to Compare', 'HERO Pleasure
+ XTEC Drum Booking for Ex-showroom Price ...4.4(9)₹76,967₹76,968Free deliver
yAdd to Compare', 'HERO Maestro Edge 125 Drum Booking for Ex-showroom Pric...
4.7(6)₹77,196Free deliveryAdd to Compare', 'HERO Pleasure+ XTEC Drum Booking
for Ex-showroom Price ...4.8(15)₹76,088Free deliveryAdd to Compare', 'HERO Pa
ssion XTEC Disc Booking for Ex-showroom Price (B...4.5(21)₹80,558Free deliver
yAdd to Compare', 'Bounce Infinity E1 Booking for Ex-showroom Price (With ...
3.9(90)₹89,998Free deliveryAdd to Compare', 'HERO Xpulse 200 4V Booking for E
x-showroom Price (Matt ...4.4(25)₹1,37,496Free deliveryAdd to Compare', 'HERO
Passion XTEC Disc Booking for Ex-showroom Price (C...4(5)₹80,508Free delivery
Add to Compare', 'HERO Destini 125 Drum Booking for Ex-showroom Price (Ma...
4.6(13)₹84,408Free deliveryAdd to Compare', 'HERO Glamour XTEC Drum Booking f
or Ex-showroom Price (M...4.3(49)₹85,448Free deliveryAdd to Compare', 'HERO P
assion XTEC Disc Booking for Ex-showroom Price (B...4.6(22)₹80,883Free delive
ryAdd to Compare', 'HERO Maestro Edge 125 Disc Booking for Ex-showroom Pri
c...3.8(4)₹87,066Free deliveryAdd to Compare', 'HERO Destini 125 Drum Booking
for Ex-showroom Price (No...4.4(5)₹81,668Free deliveryAdd to Compare', 'HERO
Maestro Edge 125 Drum Booking for Ex-showroom Pric...5(3)₹82,416Free delivery
Add to Compare', 'HERO Destini 125 Drum Booking for Ex-showroom Price (Ch...5
(7)₹82,158Free deliveryAdd to Compare', 'HERO Maestro Edge 125 Drum Booking f
or Ex-showroom Pric...4.8(5)₹81,736Free deliveryAdd to Compare', 'HERO Maestr
o Edge 125 Disc Booking for Ex-showroom Pric...3.7(7)₹88,166Free deliveryAdd
to Compare', 'BGauss BG B8 Booking for Ex-showroom Price (With Charge...₹84,6
99Free deliveryAdd to Compare', 'BGauss BG D15 Pro Booking for Ex-showroom Pr
ice (With C...₹1,14,999Free deliveryAdd to Compare', 'Bounce Infinity E1 Book
ing for Ex-showroom Price (Witho...3.9(90)₹79,999Free deliveryAdd to Compar
e', 'BGauss BG B8 Booking for Ex-showroom Price (With Charge...₹84,699Free de
liveryAdd to Compare', 'BGauss BG D15i Booking for Ex-showroom Price (With Ch
ar...₹99,999Free deliveryAdd to Compare', 'HERO Passion XTEC Drum Booking for
Ex-showroom Price (B...4.4(13)₹77,058Free deliveryAdd to Compare', 'BGauss BG
B8 Booking for Ex-showroom Price (With Charge...₹84,699Free deliveryAdd to Co
mpare', 'BGauss BG B8 Booking for Ex-showroom Price (With Charge...₹84,699Fre
e deliveryAdd to Compare', 'HERO Glamour XTEC Drum Booking for Ex-showroom Pr
ice (C...4.3(49)₹85,838Free deliveryAdd to Compare', 'HERO Xtreme 160R Bookin
g for Ex-showroom Price (Matt Ax...4.3(10)₹1,25,206Free deliveryAdd to Compar
```

```
e', 'Bounce Infinity E1 Booking for Ex-showroom Price (Witho...3.9(90)₹79,999  
Free deliveryAdd to Compare', 'BGauss BG B8 Booking for Ex-showroom Price (Wi  
th Charge...₹84,699Free deliveryAdd to Compare']
```

```
In [56]: type(vehicle_name)
```

```
Out[56]: list
```

```
In [57]: len(vehicle_name)
```

```
Out[57]: 40
```

```
In [29]: vehicle_rating=soup.findAll('div',{'class': '_3LWZlK'})  
vehicle_rating
```

```
Out[29]: [<div class="_3LWZlK">4.7</div>,  
  <div class="_3LWZlK">4.4</div>,  
  <div class="_3LWZlK">4.3</div>,  
  <div class="_3LWZlK">4.6</div>]
```

```
In [31]: product_rating= []  
for i in vehicle_rating:  
    q=i.text  
    product_rating.append(q)  
print(product_rating)
```

```
['4.7', '4.4', '4.3', '4.6', '4.5', '4.5', '3.9', '3.9', '3.9', '4.4', '4.7',  
'4.8', '4.5', '3.9', '4.4', '4', '4.6', '4.3', '4.6', '3.8', '4.4', '5', '5',  
'4.8', '3.7', '3.9', '4.4', '4.3', '4.3', '3.9', '4.4', '5', '5', '4.6', '5',  
'5', '4.4', '5', '5', '4.6', '5', '5', '5', '5', '5']
```

```
In [59]: len(product_rating)
```

```
Out[59]: 40
```

```
In [33]: vehicle_price=soup.findAll('div',{'class': '_30jeq3'})
vehicle_price
```

```
Out[33]: [<div class="_30jeq3">₹82,758</div>,
<div class="_30jeq3">₹87,466</div>,
<div class="_30jeq3">₹76,228</div>,
<div class="_30jeq3">₹82,446</div>,
<div class="_30jeq3">₹85,738</div>,
<div class="_30jeq3">₹76,758</div>,
<div class="_30jeq3">₹89,838</div>,
<div class="_30jeq3">₹89,379</div>,
<div class="_30jeq3">₹77,249</div>,
<div class="_30jeq3">₹1,14,999</div>,
<div class="_30jeq3">₹77,249</div>,
<div class="_30jeq3">₹79,999</div>,
<div class="_30jeq3">₹76,967</div>,
<div class="_30jeq3">₹77,196</div>,
<div class="_30jeq3">₹76,088</div>,
<div class="_30jeq3">₹80,558</div>,
<div class="_30jeq3">₹89,998</div>,
<div class="_30jeq3">₹1,37,496</div>,
<div class="_30jeq3">₹80,508</div>,
<div class="_30jeq3">₹84,408</div>,
<div class="_30jeq3">₹85,448</div>,
<div class="_30jeq3">₹80,883</div>,
<div class="_30jeq3">₹87,066</div>,
<div class="_30jeq3">₹81,668</div>,
<div class="_30jeq3">₹82,416</div>,
<div class="_30jeq3">₹82,158</div>,
<div class="_30jeq3">₹81,736</div>,
<div class="_30jeq3">₹88,166</div>,
<div class="_30jeq3">₹84,699</div>,
<div class="_30jeq3">₹1,14,999</div>,
<div class="_30jeq3">₹79,999</div>,
<div class="_30jeq3">₹84,699</div>,
<div class="_30jeq3">₹99,999</div>,
<div class="_30jeq3">₹77,058</div>,
<div class="_30jeq3">₹84,699</div>,
<div class="_30jeq3">₹84,699</div>,
<div class="_30jeq3">₹85,838</div>,
<div class="_30jeq3">₹1,25,206</div>,
<div class="_30jeq3">₹79,999</div>,
<div class="_30jeq3">₹84,699</div>,
<div class="_30jeq3 UMT9wN">₹1,37,496</div>,
<div class="_30jeq3 UMT9wN">₹84,408</div>,
<div class="_30jeq3 UMT9wN">₹76,228</div>,
<div class="_30jeq3 UMT9wN">₹80,883</div>,
<div class="_30jeq3 UMT9wN">₹82,416</div>]
```



```
In [34]: product_price= []
        for i in vehicle_price:
            q=i.text
            product_price.append(q)
        print(product_price)

['₹82,758', '₹87,466', '₹76,228', '₹82,446', '₹85,738', '₹76,758', '₹89,838',
'₹89,379', '₹77,249', '₹1,14,999', '₹77,249', '₹79,999', '₹76,967', '₹77,196',
'₹76,088', '₹80,558', '₹89,998', '₹1,37,496', '₹80,508', '₹84,408', '₹85,448',
'₹80,883', '₹87,066', '₹81,668', '₹82,416', '₹82,158', '₹81,736', '₹88,166',
'₹84,699', '₹1,14,999', '₹79,999', '₹84,699', '₹99,999', '₹77,058', '₹84,699',
'₹84,699', '₹85,838', '₹1,25,206', '₹79,999', '₹84,699', '₹1,37,496', '₹84,40
8', '₹76,228', '₹80,883', '₹82,416']
```

```
In [35]: len(product_price)
```

Out[35]: 45

- We have Product Name, Product Rating, Product Price of the Vehicle section in the flipkart.

```
In [60]: product_rating=product_rating[0:40]
        product_price=product_price[0:40]
```

```
In [61]: print(len(product_price))
        print(len(product_rating))
        print(len(vehicle_name))
```

```
40
40
40
```

- For Making equal number of attribute we limit the size of the column in 40.

Data Framing

```
In [65]: df={'Productname':vehicle_name,'Price':product_price,'Rating':product_rating}
        Vehicle_data=pd.DataFrame(df)
```


In [66]: Vehicle_data

Out[66]:

	Productname	Price	Rating
0	HERO Destini 125 Drum Booking for Ex-showroom ...	₹82,758	4.7
1	HERO Maestro Edge 125 Disc Booking for Ex-show...	₹87,466	4.4
2	HERO Pleasure+ XTEC Drum Booking for Ex-showro...	₹76,228	4.3
3	HERO Maestro Edge 125 Drum Booking for Ex-show...	₹82,446	4.6
4	HERO Glamour XTEC Drum Booking for Ex-showroom...	₹85,738	4.5
5	HERO Passion XTEC Drum Booking for Ex-showroom...	₹76,758	4.5
6	HERO Glamour XTEC Disc Booking for Ex-showroom...	₹89,838	3.9
7	HERO Glamour XTEC Disc Booking for Ex-showroom...	₹89,379	3.9
8	Ampere Magnus EX Booking for Ex-showroom Price...	₹77,249	3.9
9	BGauss BG D15 Pro Booking for Ex-showroom Pric...	₹1,14,999	4.4
10	Ampere Magnus EX Booking for Ex-showroom Price...	₹77,249	4.7
11	Bounce Infinity E1 Booking for Ex-showroom Pri...	₹79,999	4.8
12	HERO Pleasure+ XTEC Drum Booking for Ex-showro...	₹76,967	4.5
13	HERO Maestro Edge 125 Drum Booking for Ex-show...	₹77,196	3.9
14	HERO Pleasure+ XTEC Drum Booking for Ex-showro...	₹76,088	4.4
15	HERO Passion XTEC Disc Booking for Ex-showroom...	₹80,558	4
16	Bounce Infinity E1 Booking for Ex-showroom Pri...	₹89,998	4.6
17	HERO Xpulse 200 4V Booking for Ex-showroom Pri...	₹1,37,496	4.3
18	HERO Passion XTEC Disc Booking for Ex-showroom...	₹80,508	4.6
19	HERO Destini 125 Drum Booking for Ex-showroom ...	₹84,408	3.8
20	HERO Glamour XTEC Drum Booking for Ex-showroom...	₹85,448	4.4
21	HERO Passion XTEC Disc Booking for Ex-showroom...	₹80,883	5
22	HERO Maestro Edge 125 Disc Booking for Ex-show...	₹87,066	5
23	HERO Destini 125 Drum Booking for Ex-showroom ...	₹81,668	4.8
24	HERO Maestro Edge 125 Drum Booking for Ex-show...	₹82,416	3.7
25	HERO Destini 125 Drum Booking for Ex-showroom ...	₹82,158	3.9
26	HERO Maestro Edge 125 Drum Booking for Ex-show...	₹81,736	4.4
27	HERO Maestro Edge 125 Disc Booking for Ex-show...	₹88,166	4.3
28	BGauss BG B8 Booking for Ex-showroom Price (Wi...	₹84,699	4.3
29	BGauss BG D15 Pro Booking for Ex-showroom Pric...	₹1,14,999	3.9
30	Bounce Infinity E1 Booking for Ex-showroom Pri...	₹79,999	4.4
31	BGauss BG B8 Booking for Ex-showroom Price (Wi...	₹84,699	5
32	BGauss BG D15i Booking for Ex-showroom Price (...)	₹99,999	5
33	HERO Passion XTEC Drum Booking for Ex-showroom...	₹77,058	4.6

	Productname	Price	Rating
34	BGauss BG B8 Booking for Ex-showroom Price (Wi...	₹84,699	5
35	BGauss BG B8 Booking for Ex-showroom Price (Wi...	₹84,699	5
36	HERO Glamour XTEC Drum Booking for Ex-showroom...	₹85,838	4.4
37	HERO Xtreme 160R Booking for Ex-showroom Price...	₹1,25,206	5
38	Bounce Infinity E1 Booking for Ex-showroom Pri...	₹79,999	5
39	BGauss BG B8 Booking for Ex-showroom Price (Wi...	₹84,699	4.6

In []: