

First Install all Libraries

First we will import all libraries required for web scraping. Two libraries are required: Request BeautifulSoup

```
In [1]: #!pip install bs4
#!pip install requests
```

Import Libraries

```
In [2]: from bs4 import BeautifulSoup
import requests
```

Send get request to the webpage server to get the source code of the page

```
In [3]: page= requests.get('https://www.dineout.co.in/delhi-restaurants/buffet-special')
page
```

```
Out[3]: <Response [200]>
```

Page Content

```
In [ ]: soup= BeautifulSoup(page.content)
soup
```

Scraping First name

```
In [5]: #First we will use html tag where we have the first title of the restuarants

first_title= soup.find('div', class_="restnt-info cursor")
first_title
```

```
Out[5]: <div class="restnt-info cursor" data-gatype="RestaurantNameClick"><a analytics-action="RestaurantCardClick" analytics-label="86792_Castle Barbeque" class="restnt-name ellipsis" data-w-onclick="sendAnalyticsCommon|w1-restarant" href="/delhi/castle-barbeque-connaught-place-central-delhi-86792">Castle Barbeque</a><div class="restnt-loc ellipsis" data-w-onclick="stopClickPropagation|w1-restarant"><a data-name="Connaught Place" data-type="LocalityClick" href="/delhi-restaurants/central-delhi/connaught-place">Connaught Place</a>, <a data-name="Central Delhi" data-type="AreaClick" href="/delhi-restaurants/central-delhi">Central Delhi</a></div></div>
```

```
In [6]: first_title.text
```

```
Out[6]: 'Castle BarbequeConnaught Place, Central Delhi'
```

Scraping the First Location)

```
In [7]: loc=soup.find('div', class_="restnt-loc ellipsis")
loc.text
```

```
Out[7]: 'Connaught Place, Central Delhi'
```

Scraping First Price

```
In [8]: price=soup.find('span', class_="double-line-ellipsis")
price.text.split()[1]
```

```
Out[8]: '2,000'
```

Scraping Multiple Titles

```
In [9]: # Now we have all the tags in which there are job titles

# Now we will extract the text from these tags one by one by looping over these tags

titles=[]# empty list to store the data

for i in soup.find_all('div', class_="restnt-info cursor"):
    titles.append(i.text)

titles
```

```
Out[9]: ['Castle BarbequeConnaught Place, Central Delhi',
'Jungle Jamboree3CS Mall,Lajpat Nagar - 3, South Delhi',
'Castle BarbequePacific Mall,Tagore Garden, West Delhi',
'Cafe KnoshThe Leela Ambience Convention Hotel,Shahdara, East Delhi',
'The Barbeque CompanyGardens Galleria,Sector 38A, Noida',
'India GrillHilton Garden Inn,Saket, South Delhi',
'Delhi BarbequeTaurus Sarovar Portico,Mahipalpur, South Delhi',
'The Monarch - Bar Be Que VillageIndirapuram Habitat Centre,Indirapuram, Ghaziabad',
'World CafeVibe by The Lalit Traveller,Sector 35, Faridabad',
'Indian Grill RoomSuncity Business Tower,Golf Course Road, Gurgaon',
'Mad 4 Bar B QueSector 29, Faridabad',
'Barbeque 29NIT, Faridabad',
'GlasshouseDoubleTree By Hilton Gurugram Baani Square,Sector 50, Gurgaon']
```

Scraping Multiple Location

```
In [10]: loc=[]

for i in soup.find_all('div',class_="restnt-loc ellipsis"):
    loc.append(i.text)

loc
```

```
Out[10]: ['Connaught Place, Central Delhi',
'3CS Mall,Lajpat Nagar - 3, South Delhi',
'Pacific Mall,Tagore Garden, West Delhi',
'The Leela Ambience Convention Hotel,Shahdara, East Delhi',
'Gardens Galleria,Sector 38A, Noida',
'Hilton Garden Inn,Saket, South Delhi',
'Taurus Sarovar Portico,Mahipalpur, South Delhi',
'Habitat Centre,Indirapuram, Ghaziabad',
```

```
'Vibe by The Lalit Traveller, Sector 35, Faridabad',  
'Suncity Business Tower, Golf Course Road, Gurgaon',  
'Sector 29, Faridabad',  
'NIT, Faridabad',  
'DoubleTree By Hilton Gurugram Baani Square, Sector 50, Gurgaon']
```

Scraping Multiple Prices

```
In [11]: price=[]  
  
for i in soup.find_all('span', class_="double-line-ellipsis"):  
    price.append(i.text.replace('₹', ''))  
  
price
```

```
Out[11]: [' 2,000 for 2 (approx) | North Indian, Chinese',  
          ' 1,400 for 2 (approx) | North Indian, Asian, Italian',  
          ' 2,000 for 2 (approx) | Chinese, North Indian',  
          ' 3,000 for 2 (approx) | Italian, Continental',  
          ' 1,700 for 2 (approx) | North Indian, Chinese',  
          ' 2,400 for 2 (approx) | North Indian, Italian',  
          ' 1,800 for 2 (approx) | North Indian',  
          ' 1,900 for 2 (approx) | North Indian, Chinese',  
          ' 1,800 for 2 (approx) | North Indian, Chinese, Continental',  
          ' 2,000 for 2 (approx) | North Indian, Mughlai',  
          ' 800 for 2 (approx) | North Indian',  
          ' 1,500 for 2 (approx) | North Indian, Mughlai, Desserts, Beverages',  
          ' 3,400 for 2 (approx) | European, Italian, Asian, Continental']
```

Scraping the images

```
In [12]: images=[]  
  
for i in soup.find_all('img', class_="no-img"):  
    images.append(i['data-src'])  
  
images
```

```
Out[12]: ['https://im1.dineout.co.in/images/uploads/restaurant/sharpen/8/k/b/p86792-16062953735fbe1  
f4d3fb7e.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/3/h/c/p3643-144497865356209f  
dd65746.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/3/j/o/p38113-15959192065f1fc  
b666130c.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/4/p/m/p406-15438184745c04cce  
a491bc.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/7/p/k/p79307-16051787755fad1  
597f2bf9.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/2/v/t/p2687-1482477169585cce  
712b90f.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/5/v/f/p52501-16006856545f688  
65616659.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/3/n/o/p34822-15599107305cfa5  
94a13c24.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/1/p/y/p12366-1466935020576fa  
6ecdc359.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/5/y/d/p549-15291237715b2493b  
b2a415.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/4/n/t/p43488-164732311162302  
7e763947.jpg?tr=tr:n-medium',  
          'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/5/w/r/p58842-15624171585d209  
r=tr:n-medium',
```

```
'https://im1.dineout.co.in/images/uploads/restaurant/sharpen/9/m/a/p9875-1645177960620f6c68ecfef.jpg?tr=tr:n-medium']
```

Ratings

```
In [13]: ratings=[]

for i in soup.find_all('div',class_="restnt-rating rating-4"):
    ratings.append(i.text)

ratings
```

```
Out[13]: ['3.5',
          '3.9',
          '3.9',
          '4.3',
          '4',
          '3.9',
          '3.7',
          '3.9',
          '4.2',
          '4.3',
          '3.6',
          '4.2',
          '4']
```

Print Length

```
In [14]: print(len(titles), len(loc), len(price), len(images), len(ratings))

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```

Make Dataframe

```
In [15]: import pandas as pd
```

```
In [16]: df= pd.DataFrame({'Titles': titles, 'Location': loc, 'Price': price, 'Images_URL': images,
df
```

```
Out[16]:
```

		Titles	Location	Price	Images_URL	Ratings
0		Castle BarbequeConnaught Place, Central Delhi	Connaught Place, Central Delhi	2,000 for 2 (approx) North Indian, Chinese	https://im1.dineout.co.in/images/uploads/resta...	3.5
1		Jungle Jamboree3CS Mall,Lajpat Nagar - 3, Sout...	3CS Mall,Lajpat Nagar - 3, South Delhi	1,400 for 2 (approx) North Indian, Asian, I...	https://im1.dineout.co.in/images/uploads/resta...	3.9
2		Castle BarbequePacific Mall,Tagore Garden, Wes...	Pacific Mall,Tagore Garden, West Delhi	2,000 for 2 (approx) Chinese, North Indian	https://im1.dineout.co.in/images/uploads/resta...	3.9

	Titles	Location	Price	Images_URL	Ratings
3	Cafe KnoshThe Leela Ambience Convention Hotel,...	The Leela Ambience Convention Hotel,Shahdara, ...	3,000 for 2 (approx) Italian, Continental	https://im1.dineout.co.in/images/uploads/resta...	4.3
4	The Barbeque CompanyGardens Galleria,Sector 38...	Gardens Galleria,Sector 38A, Noida	1,700 for 2 (approx) North Indian, Chinese	https://im1.dineout.co.in/images/uploads/resta...	4
5	India GrillHilton Garden Inn,Saket, South Delhi	Hilton Garden Inn,Saket, South Delhi	2,400 for 2 (approx) North Indian, Italian	https://im1.dineout.co.in/images/uploads/resta...	3.9
6	Delhi BarbequeTaurus Sarovar Portico,Mahipalpu...	Taurus Sarovar Portico,Mahipalpur, South Delhi	1,800 for 2 (approx) North Indian	https://im1.dineout.co.in/images/uploads/resta...	3.7
7	The Monarch - Bar Be Que VillageIndirapuram Ha...	Indirapuram Habitat Centre,Indirapuram, Ghaziabad	1,900 for 2 (approx) North Indian, Chinese	https://im1.dineout.co.in/images/uploads/resta...	3.9
8	World CafeVibe by The Lalit Traveller,Sector 3...	Vibe by The Lalit Traveller,Sector 35, Faridabad	1,800 for 2 (approx) North Indian, Chinese,...	https://im1.dineout.co.in/images/uploads/resta...	4.2
9	Indian Grill RoomSuncity Business Tower,Golf C...	Suncity Business Tower,Golf Course Road, Gurgaon	2,000 for 2 (approx) North Indian, Mughlai	https://im1.dineout.co.in/images/uploads/resta...	4.3
10	Mad 4 Bar B QueSector 29, Faridabad	Sector 29, Faridabad	800 for 2 (approx) North Indian	https://im1.dineout.co.in/images/uploads/resta...	3.6
11	Barbeque 29NIT, Faridabad	NIT, Faridabad	1,500 for 2 (approx) North Indian, Mughlai,...	https://im1.dineout.co.in/images/uploads/resta...	4.2
12	GlasshouseDoubleTree By Hilton Gurugram Baani ...	DoubleTree By Hilton Gurugram Baani Square,Sec...	3,400 for 2 (approx) European, Italian, Asi...	https://im1.dineout.co.in/images/uploads/resta...	4

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