Import Modules

In [1]:

```python
import pandas as pd
from bs4 import BeautifulSoup as bs
import requests
```

Load the webpage

In [2]:

```python
url='https://www.flipkart.com/cameras/dslr-mirrorless/pr?sid=jek,p31,trv'
r=requests.get(url)
r
```

Out[2]:

```
<Response [200]>
```

In [3]:

```python
htmlcontent=r.content
htmlcontent
```

Out[3]:

```
b'<!doctype html><html lang="en"><head><link href="https://rukminim1.fli
xcart.com" rel="preconnect"/><link rel="stylesheet" href="//static-asset
s-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app_modules.chunk.90
5c37.css"/><link rel="stylesheet" href="//static-assets-web.flixcart.co
m/fk-p-linchpin-web/fk-cp-zion/css/app.chunk.a47a6a.css"/><meta http-equ
iv="Content-type" content="text/html; charset=utf-8"/><meta http-equiv
="X-UA-Compatible" content="IE=Edge"/><meta property="fb:page_id" conten
t="102988293558"/><meta property="fb:admins" content="658873552,62450099
5,100000233612389"/><meta name="robots" content="noodp"/><link rel="shor
tcut icon" href="https:///www/promos/new/20150528-140547-favicon-retina.
ico"/><link type="application/opensearchdescription+xml" rel="search" hr
ef="/osdd.xml?v=2"/><meta property="og:type" content="website"/><meta na
me="og_site_name" property="og:site_name" content="Flipkart.com"/><link
rel="apple-touch-icon" sizes="57x57" href="/apple-touch-icon-57x57.png"/
><link rel="apple-touch-icon" sizes="72x72" href="/apple-touch-icon-72x7
2.png"/><link rel="apple-touch-icon" sizes="114x114" href="/apple-touch-
icon-114x114.png"/><link rel="apple-touch-icon" sizes="144x144" href="/a
pple-touch-icon-144x144.png"/><link rel="apple-touch-icon" href="/apple-
```

In [4]:

```
soup=bs(htmlcontent,'html.parser')
soup
```

```
href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/
app.chunk.a47a6a.css" rel="stylesheet"/><meta content="text/html; charse
t=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:admin
s"/><meta content="noodp" name="robots"/><link href="https:///www/promo
s/new/20150528-140547-favicon-retina.ico" rel="shortcut icon"/><link hre
f="/osdd.xml?v=2" rel="search" type="application/opensearchdescription+x
ml"/><meta content="website" property="og:type"/><meta content="Flipkar
t.com" name="og_site_name" property="og:site_name"/><link href="/apple-t
ouch-icon-57x57.png" rel="apple-touch-icon" sizes="57x57"/><link href="/
apple-touch-icon-72x72.png" rel="apple-touch-icon" sizes="72x72"/><link
href="/apple-touch-icon-114x114.png" rel="apple-touch-icon" sizes="114x1
14"/><link href="/apple-touch-icon-144x144.png" rel="apple-touch-icon" s
izes="144x144"/><link href="/apple-touch-icon-57x57.png" rel="apple-touc
h-icon"/><meta content="app" name="twitter:card"/><meta content="@flipka
rt" name="twitter:site"/><meta content="@flipkart" name="twitter:creato
r"/><meta content="Buy DSLR Camera Online - Upto 80% off on DSLR Cameras
| Flipkart.com" name="twitter:title"/><meta content="Shop for electronic
s  annarels &amp: more using our Flipkart ann Free shinning &amp: COD "
```

In [5]:

```
print(soup.prettify())
```

```
ion/css/app_modules.chunk.963c57.css" rel="stylesheet"/>
  <link href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-z
ion/css/app.chunk.a47a6a.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:admin
s"/>
  <meta content="noodp" name="robots"/>
  <link href="https:///www/promos/new/20150528-140547-favicon-retina.ic
o" rel="shortcut icon"/>
  <link href="/osdd.xml?v=2" rel="search" type="application/opensearchde
scription+xml"/>
  <meta content="website" property="og:type"/>
  <meta content="Flipkart.com" name="og_site_name" property="og:site_nam
e"/>
  <link href="/apple-touch-icon-57x57.png" rel="apple-touch-icon" sizes
="57x57"/>
  <link href="/apple-touch-icon-72x72.png" rel="apple-touch-icon" sizes
="72x72"/>
```

In [6]:

```python
product_name = []
product_price = []
ratings = []
#no_reviews = []
#no_ratings = []
image_link = []
for i in range(1):

    print('page scrapping',i+1)

    Titles=soup.find_all("div",class_="_4rR01T")
    for t in Titles:
        product_name.append(t.get_text())

    price=soup.find_all("div",class_="_30jeq3 _1_WHN1")
    for p in price:
        product_price.append(p.get_text())

    stars=soup.find_all("div",class_="_3LWZlK")
    for s in stars[:24]:
        ratings.append(s.get_text())

    image = soup.find_all('img',class_='_396cs4')
    for i in image[:24]:
        image_link.append(i.get('src'))

    requests.get('https://www.flipkart.com/cameras/dslr-mirrorless/pr?sid=jek%2Cp31%2Ctrv
```

page scrapping 1

In [7]:

```python
#converting scrap into CSV

import pandas as pd
df=pd.DataFrame()
df["Product"]=product_name
df["Price"]=product_price
df["Ratings"]=ratings
df['Images'] = image_link
```

In [16]:

```python
len(product_name)
```

Out[16]:

24

In [17]:

```python
len(product_price)
```

Out[17]:

24

In [18]:

```python
len(ratings)
```

Out[18]:

24

In [19]:

```python
len(image_link)
```

Out[19]:

24

In [18]:

```python
len(ratings)
```

Out[18]:

24

In [8]:

```
df
```

Out[8]:

	Product	Price	Ratings	Images
0	SONY ZV-E10L Mirrorless Camera Body with 1650 ...	₹63,490	4.5	https://rukminim1.flixcart.com/image/312/312/k...
1	Canon EOS 3000D DSLR Camera 1 Camera Body, 18 ...	₹29,999	4.4	https://rukminim1.flixcart.com/image/312/312/j...
2	Canon EOS 1500D DSLR Camera Body+ 18-55 mm IS ...	₹37,490	4.5	https://rukminim1.flixcart.com/image/312/312/k...
3	SONY Alpha ILCE-6100Y APS-C Mirrorless Camera ...	₹80,990	4.6	https://rukminim1.flixcart.com/image/312/312/k...
4	SONY Alpha ILCE-6400L APS-C Mirrorless Camera ...	₹79,990	4.6	https://rukminim1.flixcart.com/image/312/312/k...
5	Canon EOS R10 Mirrorless Camera Body with RF-S...	₹1,15,990	5	https://rukminim1.flixcart.com/image/312/312/l...
6	SONY Alpha ILCE-6100L APS-C Mirrorless Camera ...	₹66,990	4.6	https://rukminim1.flixcart.com/image/312/312/k...
7	SONY Alpha ILCE-6400M APS-C Mirrorless Camera ...	₹1,05,990	4.7	https://rukminim1.flixcart.com/image/312/312/k...
8	Canon EOS 200D II DSLR Camera EF-S18-55mm IS STM	₹56,990	4.5	https://rukminim1.flixcart.com/image/312/312/j...
9	SONY Alpha Full Frame ILCE-7M2K/BQ IN5 Mirrorl...	₹93,999	4.4	https://rukminim1.flixcart.com/image/312/312/l...
10	SONY Alpha ILCE-7M4 Full Frame Mirrorless Came...	₹2,13,490	4.2	https://rukminim1.flixcart.com/image/312/312/l...
11	Canon Full Frame Mirrorless EOS R6 Mirrorless ...	₹2,03,990	5	https://rukminim1.flixcart.com/image/312/312/k...
12	Canon EOS R10 Mirrorless Camera Body with RF-S...	₹89,990	5	https://rukminim1.flixcart.com/image/312/312/l...
13	Canon EOS M50 Mark II Mirrorless Camera EF-M15...	₹57,990	4.4	https://rukminim1.flixcart.com/image/312/312/k...
14	SONY Alpha ILCE-6600 APS-C Mirrorless Camera B...	₹1,13,990	4.5	https://rukminim1.flixcart.com/image/312/312/k...
15	SONY Alpha ILCE-6400 APS-C Mirrorless Camera B...	₹72,990	4.6	https://rukminim1.flixcart.com/image/312/312/k...
16	Canon EOS 90D DSLR Camera Body with Single Len...	₹1,21,990	4.5	https://rukminim1.flixcart.com/image/312/312/k...
17	Canon EOS M50 Mark II Vlogger Kit Mirrorless C...	₹69,999	4.4	https://rukminim1.flixcart.com/image/312/312/k...
18	Canon EOS M200 Mirrorless Camera Body with Sin...	₹43,995	4.4	https://rukminim1.flixcart.com/image/312/312/k...

	Product	Price	Ratings	Images
19	POZUB High Quality Portable Multi-Purpose Self...	₹398	3.9	https://rukminim1.flixcart.com/image/312/312/k...
20	NIKON Z 50 Mirrorless Camera Body with 16-50mm...	₹93,450	4.4	https://rukminim1.flixcart.com/image/312/312/k...
21	Canon Full Frame Mirrorless EOS R5 Mirrorless ...	₹3,19,990	4.9	https://rukminim1.flixcart.com/image/312/312/k...
22	FUJIFILM X Series X-S10 Mirrorless Camera Body...	₹1,39,499	4.6	https://rukminim1.flixcart.com/image/312/312/k...
23	SONY Alpha ILCE-7CL Full Frame Mirrorless Came...	₹1,73,290	4.7	https://rukminim1.flixcart.com/image/312/312/k...

In [9]:

```python
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 24 entries, 0 to 23
Data columns (total 4 columns):
 #   Column   Non-Null Count  Dtype
---  ------   --------------  -----
 0   Product  24 non-null     object
 1   Price    24 non-null     object
 2   Ratings  24 non-null     object
 3   Images   24 non-null     object
dtypes: object(4)
memory usage: 896.0+ bytes
```

In [10]:

```python
df['Price']=df['Price'].str.replace('₹','')
df['Price']=df['Price'].str.replace(',','')
```

In [11]:

```python
df['Price']=df['Price'].astype(int)
df['Ratings']=df['Ratings'].astype(float)
```

In [12]:

```python
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 24 entries, 0 to 23
Data columns (total 4 columns):
 #   Column   Non-Null Count  Dtype
---  ------   --------------  -----
 0   Product  24 non-null     object
 1   Price    24 non-null     int32
 2   Ratings  24 non-null     float64
 3   Images   24 non-null     object
dtypes: float64(1), int32(1), object(2)
memory usage: 800.0+ bytes
```

In [13]:

```
df
```

Out[13]:

	Product	Price	Ratings	Images
0	SONY ZV-E10L Mirrorless Camera Body with 1650 ...	63490	4.5	https://rukminim1.flixcart.com/image/312/312/k...
1	Canon EOS 3000D DSLR Camera 1 Camera Body, 18 ...	29999	4.4	https://rukminim1.flixcart.com/image/312/312/j...
2	Canon EOS 1500D DSLR Camera Body+ 18-55 mm IS ...	37490	4.5	https://rukminim1.flixcart.com/image/312/312/k...
3	SONY Alpha ILCE-6100Y APS-C Mirrorless Camera ...	80990	4.6	https://rukminim1.flixcart.com/image/312/312/k...
4	SONY Alpha ILCE-6400L APS-C Mirrorless Camera ...	79990	4.6	https://rukminim1.flixcart.com/image/312/312/k...
5	Canon EOS R10 Mirrorless Camera Body with RF-S...	115990	5.0	https://rukminim1.flixcart.com/image/312/312/l...
6	SONY Alpha ILCE-6100L APS-C Mirrorless Camera ...	66990	4.6	https://rukminim1.flixcart.com/image/312/312/k...
7	SONY Alpha ILCE-6400M APS-C Mirrorless Camera ...	105990	4.7	https://rukminim1.flixcart.com/image/312/312/k...
8	Canon EOS 200D II DSLR Camera EF-S18-55mm IS STM	56990	4.5	https://rukminim1.flixcart.com/image/312/312/j...
9	SONY Alpha Full Frame ILCE-7M2K/BQ IN5 Mirrorl...	93999	4.4	https://rukminim1.flixcart.com/image/312/312/l...
10	SONY Alpha ILCE-7M4 Full Frame Mirrorless Came...	213490	4.2	https://rukminim1.flixcart.com/image/312/312/l...
11	Canon Full Frame Mirrorless EOS R6 Mirrorless ...	203990	5.0	https://rukminim1.flixcart.com/image/312/312/k...
12	Canon EOS R10 Mirrorless Camera Body with RF-S...	89990	5.0	https://rukminim1.flixcart.com/image/312/312/l...
13	Canon EOS M50 Mark II Mirrorless Camera EF-M15...	57990	4.4	https://rukminim1.flixcart.com/image/312/312/k...
14	SONY Alpha ILCE-6600 APS-C Mirrorless Camera B...	113990	4.5	https://rukminim1.flixcart.com/image/312/312/k...
15	SONY Alpha ILCE-6400 APS-C Mirrorless Camera B...	72990	4.6	https://rukminim1.flixcart.com/image/312/312/k...
16	Canon EOS 90D DSLR Camera Body with Single Len...	121990	4.5	https://rukminim1.flixcart.com/image/312/312/k...
17	Canon EOS M50 Mark II Vlogger Kit Mirrorless C...	69999	4.4	https://rukminim1.flixcart.com/image/312/312/k...
18	Canon EOS M200 Mirrorless Camera Body with Sin...	43995	4.4	https://rukminim1.flixcart.com/image/312/312/k...
19	POZUB High Quality Portable Multi-Purpose Self...	398	3.9	https://rukminim1.flixcart.com/image/312/312/k...
20	NIKON Z 50 Mirrorless Camera Body with 16-50mm...	93450	4.4	https://rukminim1.flixcart.com/image/312/312/k...
21	Canon Full Frame Mirrorless EOS R5 Mirrorless ...	319990	4.9	https://rukminim1.flixcart.com/image/312/312/k...

	Product	Price	Ratings	Images
22	FUJIFILM X Series X-S10 Mirrorless Camera Body...	139499	4.6	https://rukminim1.flixcart.com/image/312/312/k...
23	SONY Alpha ILCE-7CL Full Frame Mirrorless Came...	173290	4.7	https://rukminim1.flixcart.com/image/312/312/k...

In [15]:

```
df.to_csv('camera on flipkart.csv',index=False)
```

In [ ]: