```python
In [1]: import requests
```

```python
In [2]: import bs4
```

```python
In [3]: url="https://www.bikewale.com/new-bikes-in-india/"
```

```python
In [4]: data=requests.get(url)
        data
```

```
Out[4]: <Response [200]>
```

```python
In [5]: type(data.text)
```

```
Out[5]: str
```

```python
In [6]: from bs4 import BeautifulSoup
```

```python
In [7]: soup=BeautifulSoup(data.text,"html")
```

```python
In [8]: soup.find('div',attrs={"class":"o-cVMLxW o-jjpuv o-cJrNdO"}).text
```

```
Out[8]: 'Royal Enfield Hunter 350'
```

```python
In [9]: soup.find('div',attrs={"class":"o-eqqVmt o-jjpuv o-cJrNdO o-SoIQT o-cpnuEd"}).text
```

```
Out[9]: '₹ 1,49,900Onwards'
```

```python
In [11]: soup.find('div',attrs={"data-lang-id":"pricetype_label"}).text
```

```
Out[11]: 'Avg. Ex-Showroom price'
```

```python
In [19]: a=soup.find_all('div',attrs={"class":"o-cVMLxW o-jjpuv o-cJrNdO"})
         bike_names=[i.text for i in a]
         print(bike_names)
         print(len(bike_names))

['Royal Enfield Hunter 350', 'Yamaha MT 15 V2', 'TVS Raider 125', 'TVS Jupiter', 'Honda SP 125', 'Royal Enfield Classic 350', 'TVS Apache RTR 160', 'Yamaha R15 V4', 'BMW CE 02', 'Royal Enfield Bullet 350', 'Hero Xtreme 125R', 'Bajaj Fr
eedom', 'Honda Activa 6G', 'TVS Ronin', 'Hero Splendor Plus', 'TVS Ntorq 125', 'TVS Apache RR 310', 'Harley-Davidson X440', 'OLA S1 X', 'Revolt RV1', 'Bajaj Chetak', 'OLA Roadster', 'TVS iQube', 'OLA Roadster Pro', 'Ather Rizta', 'OLA
S1 Pro', 'OLA Roadster X', 'TVS Jupiter', 'Honda Activa 6G', 'TVS Ntorq 125', 'Suzuki Access 125', 'Honda Activa 125', 'OLA S1 X', 'Suzuki Burgman Street 125', 'TVS Jupiter 125', 'TVS Sport', 'Honda SP 125', 'Hero HF Deluxe', 'Honda Sh
ine 100', 'Hero Xtreme 125R', 'Hero Splendor Plus', 'Hero Splendor Plus Xtec', 'Honda Livo', 'TVS Raider 125', 'Honda Shine', 'Yamaha R15 V4', 'TVS Apache RR 310', 'BMW G310 RR', 'Bajaj Pulsar RS 200', 'Aprilia RS 457', 'Kawasaki Ninja
300', 'Suzuki Gixxer SF', 'KTM RC 200', 'Royal Enfield Classic 350', 'TVS Ronin', 'Harley-Davidson X440', 'Jawa 42 Bobber', 'Jawa 42 FJ', 'Jawa 42', 'Royal Enfield Meteor 350', 'Royal Enfield Shotgun 650']
61
```

```python
In [20]: b=soup.find_all('div',attrs={"class":"o-eqqVmt o-jjpuv o-cJrNdO o-SoIQT o-cpnuEd"})
         price=[i.text for i in b]
         print(price)
         print(len(price))

['₹ 1,49,900Onwards', '₹ 1,69,207Onwards', '₹ 84,869Onwards', '₹ 77,199Onwards', '₹ 87,383Onwards', '₹ 1,99,499Onwards', '₹ 1,17,224Onwards', '₹ 1,83,464Onwards', '₹ 4,49,000Onwards', '₹ 1,73,562Onwards', '₹ 97,666Onwards', '₹ 95,055Onw
ards', '₹ 78,376Onwards', '₹ 1,35,073Onwards', '₹ 74,348Onwards', '₹ 94,174Onwards', '₹ 2,75,000Onwards', '₹ 2,39,500Onwards', '₹ 84,990Onwards', '₹ 84,990Onwards', '₹ 1,11,905Onwards', '₹ 1,04,999Onwards', '₹ 1,17,636Onwards', '₹ 1,99,
990Onwards', '₹ 1,34,632Onwards', '₹ 1,44,999Onwards', '₹ 74,999Onwards', '₹ 77,199Onwards', '₹ 78,376Onwards', '₹ 94,174Onwards', '₹ 83,062Onwards', '₹ 82,568Onwards', '₹ 84,990Onwards', '₹ 96,804Onwards', '₹ 87,767Onwards', '₹ 64,407O
nwards', '₹ 87,383Onwards', '₹ 56,396Onwards', '₹ 65,073Onwards', '₹ 97,666Onwards', '₹ 74,348Onwards', '₹ 79,956Onwards', '₹ 79,179Onwards', '₹ 84,869Onwards', '₹ 81,119Onwards', '₹ 1,83,464Onwards', '₹ 2,75,000Onwards', '₹ 3,05,000Onw
ards', '₹ 1,72,686Onwards', '₹ 4,10,003Onwards', '₹ 1,36,078Onwards', '₹ 2,20,228Onwards', '₹ 1,99,499Onwards', '₹ 1,35,073Onwards', '₹ 2,39,500Onwards', '₹ 2,11,892Onwards', '₹ 1,99,142Onwards', '₹ 1,72,942Onward
s', '₹ 2,05,528Onwards', '₹ 3,59,430Onwards']
61
```

```python
In [21]: import pandas as pd
```

```python
In [23]: d=pd.DataFrame({"Bikes":bike_names,"price":price})
         d
```

Out[23]:

	Bikes	price
0	Royal Enfield Hunter 350	₹ 1,49,900Onwards
1	Yamaha MT 15 V2	₹ 1,69,207Onwards
2	TVS Raider 125	₹ 84,869Onwards
3	TVS Jupiter	₹ 77,199Onwards
4	Honda SP 125	₹ 87,383Onwards
...	...	...
56	Jawa 42 Bobber	₹ 2,11,892Onwards
57	Jawa 42 FJ	₹ 1,99,142Onwards
58	Jawa 42	₹ 1,72,942Onwards
59	Royal Enfield Meteor 350	₹ 2,05,528Onwards
60	Royal Enfield Shotgun 650	₹ 3,59,430Onwards

61 rows × 2 columns

```python
In [24]: d.to_csv("Bikes.csv")
```

```python
In [25]: base_url="https://www.bikewale.com/new-bikes-in-india/"
         for i in range(30):
             print(base_url+str(i))

https://www.bikewale.com/new-bikes-in-india/0
https://www.bikewale.com/new-bikes-in-india/1
https://www.bikewale.com/new-bikes-in-india/2
https://www.bikewale.com/new-bikes-in-india/3
https://www.bikewale.com/new-bikes-in-india/4
https://www.bikewale.com/new-bikes-in-india/5
https://www.bikewale.com/new-bikes-in-india/6
https://www.bikewale.com/new-bikes-in-india/7
https://www.bikewale.com/new-bikes-in-india/8
https://www.bikewale.com/new-bikes-in-india/9
https://www.bikewale.com/new-bikes-in-india/10
https://www.bikewale.com/new-bikes-in-india/11
https://www.bikewale.com/new-bikes-in-india/12
https://www.bikewale.com/new-bikes-in-india/13
https://www.bikewale.com/new-bikes-in-india/14
https://www.bikewale.com/new-bikes-in-india/15
https://www.bikewale.com/new-bikes-in-india/16
https://www.bikewale.com/new-bikes-in-india/17
https://www.bikewale.com/new-bikes-in-india/18
https://www.bikewale.com/new-bikes-in-india/19
https://www.bikewale.com/new-bikes-in-india/20
https://www.bikewale.com/new-bikes-in-india/21
https://www.bikewale.com/new-bikes-in-india/22
https://www.bikewale.com/new-bikes-in-india/23
https://www.bikewale.com/new-bikes-in-india/24
https://www.bikewale.com/new-bikes-in-india/25
https://www.bikewale.com/new-bikes-in-india/26
https://www.bikewale.com/new-bikes-in-india/27
https://www.bikewale.com/new-bikes-in-india/28
https://www.bikewale.com/new-bikes-in-india/29
```

```python
In [26]: from matplotlib import pyplot as plt
```

```python
In [33]: d["Bikes"].value_counts().plot(kind="bar")
```

```
Out[33]: <Axes: xlabel='Bikes'>
```
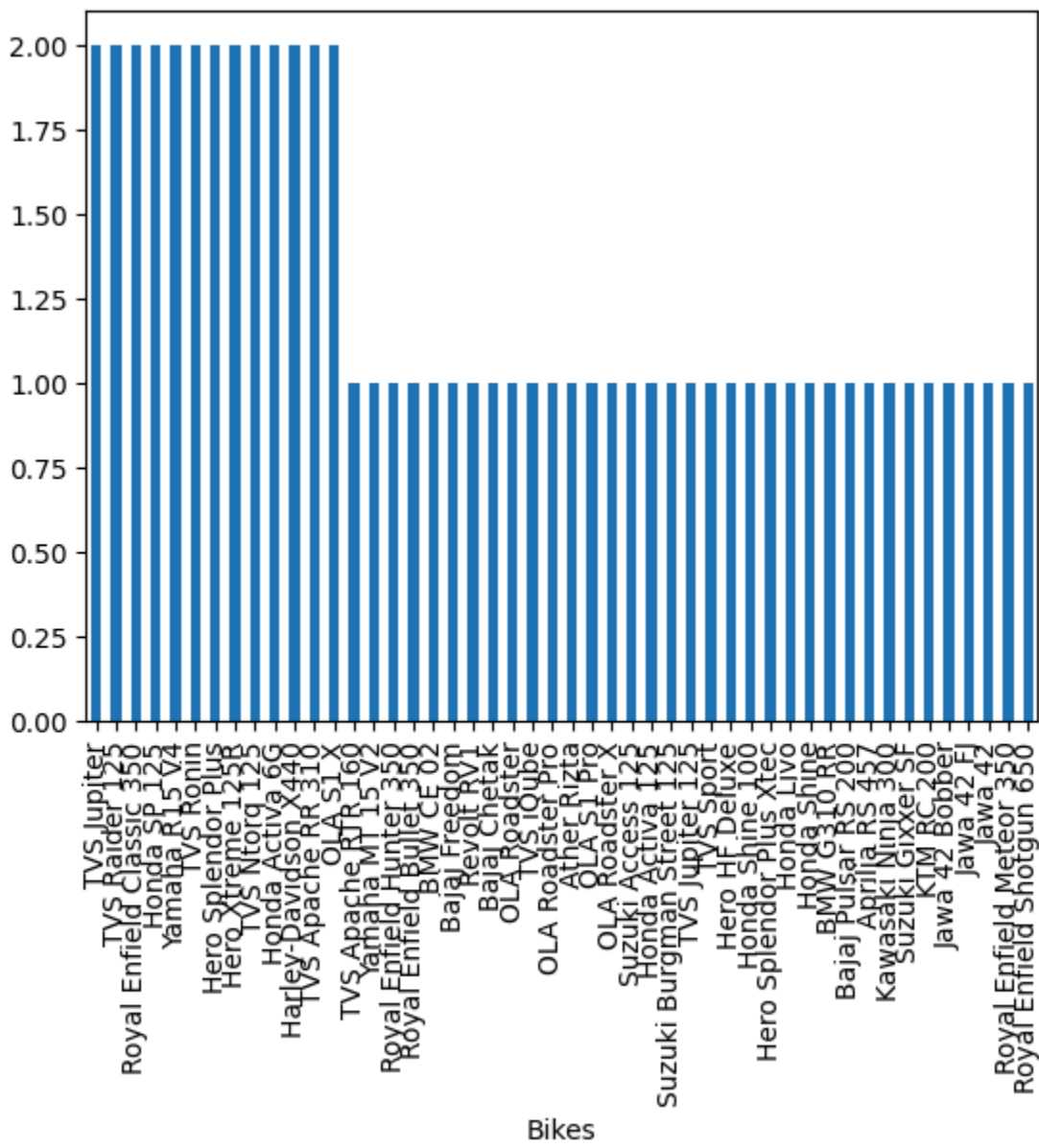


```python
In [36]: d["price"].value_counts().plot(kind="pie")
```

```
Out[36]: <Axes: ylabel='count'>
```