

```
In [ ]: 1 # pip install selenium
```

```
In [2]: 1 import requests
2 from bs4 import BeautifulSoup
3 from selenium import webdriver
4 import pandas as pd
5 import pymysql as py
6 from datetime import datetime
7 import re
```

```
In [3]: 1 # url = '''https://www.kamaayurveda.in/best-seller.html'''
2
3 url = '''https://www.kamaayurveda.in/skin.html'''
4
5 print(url)
```

<https://www.kamaayurveda.in/skin.html> (<https://www.kamaayurveda.in/skin.html>)

```
In [4]: 1 # webbrowser tool
2 import time
3 loc = r"C:\Users\Lenovo\Downloads\chromedriver-win64\chromedriver-win64\chromedriver.exe"
4 cService = webdriver.ChromeService(executable_path=loc)
5 driver = webdriver.Chrome(service = cService)
6
7
8 driver.get(url)
9 time.sleep(10)
10 data = driver.page_source
11 # data
12 print('done')
```

done

```
In [5]: 1 driver.close()
```

```
In [6]: 1 soup = BeautifulSoup(data, 'html.parser')
2 # soup
```

```
In [ ]: 1
```

```
In [7]: 1 all_ratings = []
2
3 for index,value in enumerate(soup.find_all('div',{'class':'category_star list-item_category_star__Ime09'})):
4     info = value.text.strip()
5
6     rat = re.findall(r'\d\.\d',info)
7     if len(rat) == 0:
8         rat = 0
9     #     print(index+1,rat)
10    all_ratings.append(rat)
11    else:
12    #     print(index+1,rat[0])
13    all_ratings.append(rat[0])
14
15 # print(all_ratings)
16 print(len(all_ratings))
```

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```
In [ ]: 1
```

```
In [8]: 1 all_users = []
2
3 for index,value in enumerate(soup.find_all('div',{'class':'category_star list-item_category_star__Ime09'})):
4     info = value.text.strip()
5
6     user = re.findall(r'\(\\d*\\)',info)
7
8     if len(user) == 0:
9         user = '0'
10    #     print(index+1,user)
11    all_users.append(user)
12    else:
13    #     print(index+1,user[0].replace('(', '').replace(')', ''))
14    all_users.append(user[0].replace('(', '').replace(')', ''))
15
16 # print(all_users)
17 print(len(all_users))
```

36

```
In [9]: 1 all_category = []
2
3 for index,value in enumerate(soup.find_all('div',{'class':'category_star list-item_category_star__Ime09'})):
4
5     for index2,name in enumerate(value.find_all('h6')):
6
7         catg = str(name).replace('<h6>', '').replace('</h6>', '').strip()
8
9         all_category.append(catg)
10    #     print(index+1,catg)
11
12 # print(all_category)
13 print(len(all_category))
```

36

```
In [10]: 1 product_names = []
2 c = 1
3 for i in soup.find_all('a', href=True):
4     for j in i.find_all('h3'):
5         # print(c, j.text)
6         product_names.append(j.text.strip())
7         c+=1
8 print(len(product_names))
9
```

36

```
In [11]: 1 all_price= []
2 c = 1
3 for i in soup.find_all('div',{'class':'stock_bag_bax'}):
4     for j in i.find_all('h4'):
5         # print(c, j.text.strip().replace('₹', ''))
6         all_price.append(j.text.strip().replace('₹', ''))
7         c+=1
8 print(len(all_price))
```

36

```
In [ ]: 1
```

```
In [ ]: 1
```

```
In [ ]: 1
```

```
In [12]: 1 complete_data = {'Category':all_category,  
2     'Product':product_names,  
3     'Price':all_price,  
4     'Ratings':all_ratings,  
5     'No_of_Users':all_users}  
6 print('done')
```

done

```
In [13]: 1 table = pd.DataFrame(complete_data)
          2 table
```

Out[13]:

	Category	Product	Price	Ratings	No_of_Users
0	Cream	kumkumadi illuminating & skin perfecting day c...	645.00	4.7	5
1	Face Cream	eladi hydrating light cream enriched with vi...	945.00	0	0
2	Serum	kumkumadi facial oil ayurvedic night serum	1095.00	4.8	39
3	Face Cream	kumkumadi rejuvenating & brightening night cream	875.00	4.6	43
4	Face Cream	eladi hydrating face cream enriched with vit...	575.00	4.3	14
5	Toner	pure rose water	545.00	4.9	39
6		anti acne spot corrector	1875.00	0	0
7	Face Oil	amarrupa wrinkle repair & firming face oil	945.00	4.5	3
8	Eye Serum	eye contour renewal	2495.00	0	0
9	Essence	kumkumadi brightening bi-phase essence	995.00	5.0	3
10	Foam	anti acne cleansing foam	1045.00	4.5	9
11	Face Oil	kumkumadi brightening cleansing oil	1345.00	5.0	3
12	Body Oil	nalpamaradi thailam skin brightening treatment	745.00	4.8	32
13	Face Wash	rose jasmine face cleanser cleansing, refres...	745.00	4.5	32
14	Face Cream	brightening & smoothening nightcream for men	445.00	4.9	9
15	Face Pack	suvarna haldi chandan face pack	1095.00	5.0	4
16	Face Oil	urjasara strength restoring facial oil for s...	695.00	5.0	5
17	Face Cleanser	sensitive skin cleansing foam	1145.00	4.7	7
18	Sunscreen	natural sun protection	1875.00	4.6	12
19	Face Pack	nimrah anti acne face pack	1595.00	4.6	10
20	Face Wash	himalayan deodar face cleanser for men	745.00	5.0	6
21	Lip Balm	rose lip care	895.00	5.0	2
22	Toner	pure vetiver water	495.00	4.8	9
23	Toner	pure neroli water	545.00	5.0	5
24	Face Wash	mridul soap free face cleanser	1095.00	5.0	14
25	Toner	pure mogra water	545.00	4.8	11

	Category	Product	Price	Ratings	No_of_Users
26	Toner	pure lavender water	1295.00	4.8	6
27	Serum	kumkumadi facial oil ayurvedic night serum	7495.00	0	0
28	Face Scrub	kumkumadi brightening face scrub	545.00	4.8	19
29	Body Oil	jwalini retexturising skin treatment oil	1295.00	4.8	21
30	Lip Balm	vanilla lip care	895.00	4.7	3
31	Body Scrub	neem tulsi tea tree body scrub	525.00	3.8	4
32	Organic Oil	organic sweet almond oil	675.00	5.0	16
33	Lip Balm	mint lip care	775.00	4.5	8
34	Soap	red sandalwood soap	845.00	5.0	1
35	Organic Oil	organic neem oil	395.00	4.8	19

In []:

1

In [14]:

1 table.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 36 entries, 0 to 35
Data columns (total 5 columns):
#   Column      Non-Null Count  Dtype
---  -
0   Category    36 non-null    object
1   Product     36 non-null    object
2   Price       36 non-null    object
3   Ratings     36 non-null    object
4   No_of_Users 36 non-null    object
dtypes: object(5)
memory usage: 1.5+ KB
```



```
In [15]: 1 table['Price'] = table['Price'].astype(float)
2 table['Ratings'] = table['Ratings'].astype(float)
3 table['No_of_Users'] = table['No_of_Users'].astype(int)
```

```
In [16]: 1 table.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 36 entries, 0 to 35
Data columns (total 5 columns):
#   Column          Non-Null Count  Dtype
---  -
0   Category        36 non-null    object
1   Product         36 non-null    object
2   Price           36 non-null    float64
3   Ratings         36 non-null    float64
4   No_of_Users     36 non-null    int32
dtypes: float64(2), int32(1), object(2)
memory usage: 1.4+ KB
```

```
In [17]: 1 from datetime import datetime
2
3 abhi_ka_date = datetime.now()
4
5 print(abhi_ka_date)
```

```
2024-06-13 18:24:32.090050
```

```
In [18]: 1 table['Scrapped_time'] = abhi_ka_date
```

```
In [19]: 1 table.to_excel(r"C:\Users\Lenovo\Desktop\kama_ayurveda\mens_prod.xlsx",index=False)
2 print('done')
```

```
done
```

In [20]:

1	table
---	-------

Out[20]:

	Category	Product	Price	Ratings	No_of_Users	Scrapped_time
0	Cream	kumkumadi illuminating & skin perfecting day c...	645.0	4.7	5	2024-06-13 18:24:32.090050
1	Face Cream	eladi hydrating light cream enriched with vi...	945.0	0.0	0	2024-06-13 18:24:32.090050
2	Serum	kumkumadi facial oil ayurvedic night serum	1095.0	4.8	39	2024-06-13 18:24:32.090050
3	Face Cream	kumkumadi rejuvenating & brightening night cream	875.0	4.6	43	2024-06-13 18:24:32.090050
4	Face Cream	eladi hydrating face cream enriched with vit...	575.0	4.3	14	2024-06-13 18:24:32.090050
5	Toner	pure rose water	545.0	4.9	39	2024-06-13 18:24:32.090050
6		anti acne spot corrector	1875.0	0.0	0	2024-06-13 18:24:32.090050
7	Face Oil	amarrupa wrinkle repair & firming face oil	945.0	4.5	3	2024-06-13 18:24:32.090050
8	Eye Serum	eye contour renewal	2495.0	0.0	0	2024-06-13 18:24:32.090050
9	Essence	kumkumadi brightening bi-phase essence	995.0	5.0	3	2024-06-13 18:24:32.090050
10	Foam	anti acne cleansing foam	1045.0	4.5	9	2024-06-13 18:24:32.090050
11	Face Oil	kumkumadi brightening cleansing oil	1345.0	5.0	3	2024-06-13 18:24:32.090050
12	Body Oil	nalpamaradi thailam skin brightening treatment	745.0	4.8	32	2024-06-13 18:24:32.090050
13	Face Wash	rose jasmine face cleanser cleansing, refres...	745.0	4.5	32	2024-06-13 18:24:32.090050
14	Face Cream	brightening & smoothening nightcream for men	445.0	4.9	9	2024-06-13 18:24:32.090050
15	Face Pack	suvarna haldi chandan face pack	1095.0	5.0	4	2024-06-13 18:24:32.090050
16	Face Oil	urjasara strength restoring facial oil for s...	695.0	5.0	5	2024-06-13 18:24:32.090050
17	Face Cleanser	sensitive skin cleansing foam	1145.0	4.7	7	2024-06-13 18:24:32.090050
18	Sunscreen	natural sun protection	1875.0	4.6	12	2024-06-13 18:24:32.090050
19	Face Pack	nimrah anti acne face pack	1595.0	4.6	10	2024-06-13 18:24:32.090050
20	Face Wash	himalayan deodar face cleanser for men	745.0	5.0	6	2024-06-13 18:24:32.090050
21	Lip Balm	rose lip care	895.0	5.0	2	2024-06-13 18:24:32.090050
22	Toner	pure vetiver water	495.0	4.8	9	2024-06-13 18:24:32.090050
23	Toner	pure neroli water	545.0	5.0	5	2024-06-13 18:24:32.090050
24	Face Wash	mridul soap free face cleanser	1095.0	5.0	14	2024-06-13 18:24:32.090050
25	Toner	pure mogra water	545.0	4.8	11	2024-06-13 18:24:32.090050

	Category	Product	Price	Ratings	No_of_Users	Scrapped_time
26	Toner	pure lavender water	1295.0	4.8	6	2024-06-13 18:24:32.090050
27	Serum	kumkumadi facial oil ayurvedic night serum	7495.0	0.0	0	2024-06-13 18:24:32.090050
28	Face Scrub	kumkumadi brightening face scrub	545.0	4.8	19	2024-06-13 18:24:32.090050
29	Body Oil	jwalini retexturising skin treatment oil	1295.0	4.8	21	2024-06-13 18:24:32.090050
30	Lip Balm	vanilla lip care	895.0	4.7	3	2024-06-13 18:24:32.090050
31	Body Scrub	neem tulsi tea tree body scrub	525.0	3.8	4	2024-06-13 18:24:32.090050
32	Organic Oil	organic sweet almond oil	675.0	5.0	16	2024-06-13 18:24:32.090050
33	Lip Balm	mint lip care	775.0	4.5	8	2024-06-13 18:24:32.090050
34	Soap	red sandalwood soap	845.0	5.0	1	2024-06-13 18:24:32.090050
35	Organic Oil	organic neem oil	395.0	4.8	19	2024-06-13 18:24:32.090050

In []:

1	
---	--

In []:

1	
---	--

In [21]:

```
1 def get_data(url,fname):
2     # webbrowser tool
3     import time
4     loc = r"C:\Users\Lenovo\Downloads\chromedriver-win64\chromedriver-win64\chromedriver.exe"
5     cService = webdriver.ChromeService(executable_path=loc)
6     driver = webdriver.Chrome(service = cService)
7
8
9     driver.get(url)
10    time.sleep(10)
11    data = driver.page_source
12    # data
13    # print('done')
14
15    # =====
16
17    driver.close()
18    # =====
19
20    soup = BeautifulSoup(data,'html.parser')
21    # soup
22
23    # =====
24
25    all_ratings = []
26
27    for index,value in enumerate(soup.find_all('div',{'class':'category_star list-item_category_star__Ime09'})):
28        info = value.text.strip()
29
30        rat = re.findall(r'\d\.\d',info)
31        if len(rat) == 0:
32            rat = 0
33        # print(index+1,rat)
34        all_ratings.append(rat)
35    else:
36        # print(index+1,rat[0])
37        all_ratings.append(rat[0])
38
39    # print(all_ratings)
40    # print(len(all_ratings))
41
```

```

42
43 # =====
44
45 all_users = []
46
47 for index,value in enumerate(soup.find_all('div',{'class':'category_star list-item_category_star__Ime09'})):
48     info = value.text.strip()
49
50     user = re.findall(r'\(\\d*\)',info)
51
52     if len(user) == 0:
53         user = '0'
54     #     print(index+1,user)
55     all_users.append(user)
56     else:
57     #     print(index+1,user[0].replace('(', '').replace(')', ''))
58     all_users.append(user[0].replace('(', '').replace(')', ''))
59
60 # print(all_users)
61 # print(len(all_users))
62
63
64 # =====
65
66
67 all_category = []
68
69 for index,value in enumerate(soup.find_all('div',{'class':'category_star list-item_category_star__Ime09'})):
70
71     for index2,name in enumerate(value.find_all('h6')):
72
73         catg = str(name).replace('<h6>', '').replace('</h6>', '').strip()
74
75         all_category.append(catg)
76     #     print(index+1,catg)
77
78 # print(all_category)
79 # print(len(all_category))
80
81
82 # =====
83

```

```

84
85     product_names = []
86     c = 1
87     for i in soup.find_all('a', href=True):
88         for j in i.find_all('h3'):
89             #         print(c, j.text)
90             product_names.append(j.text.strip())
91             c+=1
92     #         print(len(product_names))
93
94
95     #         =====
96
97
98     all_price= []
99     c = 1
100    for i in soup.find_all('div',{'class':'stock_bag_bax'}):
101        for j in i.find_all('h4'):
102            #         print(c, j.text.strip().replace('₹', ''))
103            all_price.append(j.text.strip().replace('₹', ''))
104            c+=1
105    #         print(len(all_price))
106
107
108    #         =====
109
110    complete_data = {'Category':all_category,
111                    'Product':product_names,
112                    'Price':all_price,
113                    'Ratings':all_ratings,
114                    'No_of_Users':all_users}
115
116    #         print('done')
117
118    #         =====
119
120    table = pd.DataFrame(complete_data)
121
122
123    table['Price'] = table['Price'].astype(float)
124    table['Ratings'] = table['Ratings'].astype(float)
125    table['No_of_Users'] = table['No_of_Users'].astype(int)

```



```
126
127 # =====
128
129 from datetime import datetime
130
131 abhi_ka_date = datetime.now()
132
133 table['Scrapped_time'] = abhi_ka_date
134
135 table.to_excel(f"C:\\Users\\Lenovo\\Desktop\\kama_ayurveda\\{fname}.xlsx", index=False)
136 print(f'Data Scrapped successfully at {abhi_ka_date}')
137
138 return table
139
```

In []:

1

```
In [23]: 1 url = '''https://www.kamaayurveda.in/skin.html'''  
        2  
        3 table = get_data(url, 'skin_data')  
        4 table
```

Data Scrapped successfully at 2024-06-13 18:25:56.882626

Out[23]:

	Category	Product	Price	Ratings	No_of_Users	Scrapped_time
0	Cream	kumkumadi illuminating & skin perfecting day c...	645.0	4.7	5	2024-06-13 18:25:56.882626
1	Face Cream	eladi hydrating light cream enriched with vi...	945.0	0.0	0	2024-06-13 18:25:56.882626
2	Serum	kumkumadi facial oil ayurvedic night serum	1095.0	4.8	39	2024-06-13 18:25:56.882626
3	Face Cream	kumkumadi rejuvenating & brightening night cream	875.0	4.6	43	2024-06-13 18:25:56.882626
4	Face Cream	eladi hydrating face cream enriched with vit...	575.0	4.3	14	2024-06-13 18:25:56.882626
5	Toner	pure rose water	545.0	4.9	39	2024-06-13 18:25:56.882626
6		anti acne spot corrector	1875.0	0.0	0	2024-06-13 18:25:56.882626
7	Face Oil	amarrupa wrinkle repair & firming face oil	945.0	4.5	3	2024-06-13 18:25:56.882626
8	Eye Serum	eye contour renewal	2495.0	0.0	0	2024-06-13 18:25:56.882626
9	Essence	kumkumadi brightening bi-phase essence	995.0	5.0	3	2024-06-13 18:25:56.882626
10	Foam	anti acne cleansing foam	1045.0	4.5	9	2024-06-13 18:25:56.882626
11	Face Oil	kumkumadi brightening cleansing oil	1345.0	5.0	3	2024-06-13 18:25:56.882626
12	Body Oil	nalpamaradi thailam skin brightening treatment	745.0	4.8	32	2024-06-13 18:25:56.882626
13	Face Wash	rose jasmine face cleanser cleansing, refres...	745.0	4.5	32	2024-06-13 18:25:56.882626
14	Face Cream	brightening & smoothening nightcream for men	445.0	4.9	9	2024-06-13 18:25:56.882626
15	Face Pack	suvarna haldi chandan face pack	1095.0	5.0	4	2024-06-13 18:25:56.882626
16	Face Oil	urjasara strength restoring facial oil for s...	695.0	5.0	5	2024-06-13 18:25:56.882626
17	Face Cleanser	sensitive skin cleansing foam	1145.0	4.7	7	2024-06-13 18:25:56.882626
18	Sunscreen	natural sun protection	1875.0	4.6	12	2024-06-13 18:25:56.882626
19	Face Pack	nimrah anti acne face pack	1595.0	4.6	10	2024-06-13 18:25:56.882626
20	Face Wash	himalayan deodar face cleanser for men	745.0	5.0	6	2024-06-13 18:25:56.882626
21	Lip Balm	rose lip care	895.0	5.0	2	2024-06-13 18:25:56.882626
22	Toner	pure vetiver water	495.0	4.8	9	2024-06-13 18:25:56.882626
23	Toner	pure neroli water	545.0	5.0	5	2024-06-13 18:25:56.882626
24	Face Wash	mridul soap free face cleanser	1095.0	5.0	14	2024-06-13 18:25:56.882626
25	Toner	pure mogra water	545.0	4.8	11	2024-06-13 18:25:56.882626

	Category	Product	Price	Ratings	No_of_Users	Scrapped_time
26	Toner	pure lavender water	1295.0	4.8	6	2024-06-13 18:25:56.882626
27	Serum	kumkumadi facial oil ayurvedic night serum	7495.0	0.0	0	2024-06-13 18:25:56.882626
28	Face Scrub	kumkumadi brightening face scrub	545.0	4.8	19	2024-06-13 18:25:56.882626
29	Body Oil	jwalini retexturising skin treatment oil	1295.0	4.8	21	2024-06-13 18:25:56.882626
30	Lip Balm	vanilla lip care	895.0	4.7	3	2024-06-13 18:25:56.882626
31	Body Scrub	neem tulsi tea tree body scrub	525.0	3.8	4	2024-06-13 18:25:56.882626
32	Organic Oil	organic sweet almond oil	675.0	5.0	16	2024-06-13 18:25:56.882626
33	Lip Balm	mint lip care	775.0	4.5	8	2024-06-13 18:25:56.882626
34	Soap	red sandalwood soap	845.0	5.0	1	2024-06-13 18:25:56.882626
35	Organic Oil	organic neem oil	395.0	4.8	19	2024-06-13 18:25:56.882626

In []:

1

In [25]:

1 table['Price'].max()

Out[25]: 7495.0

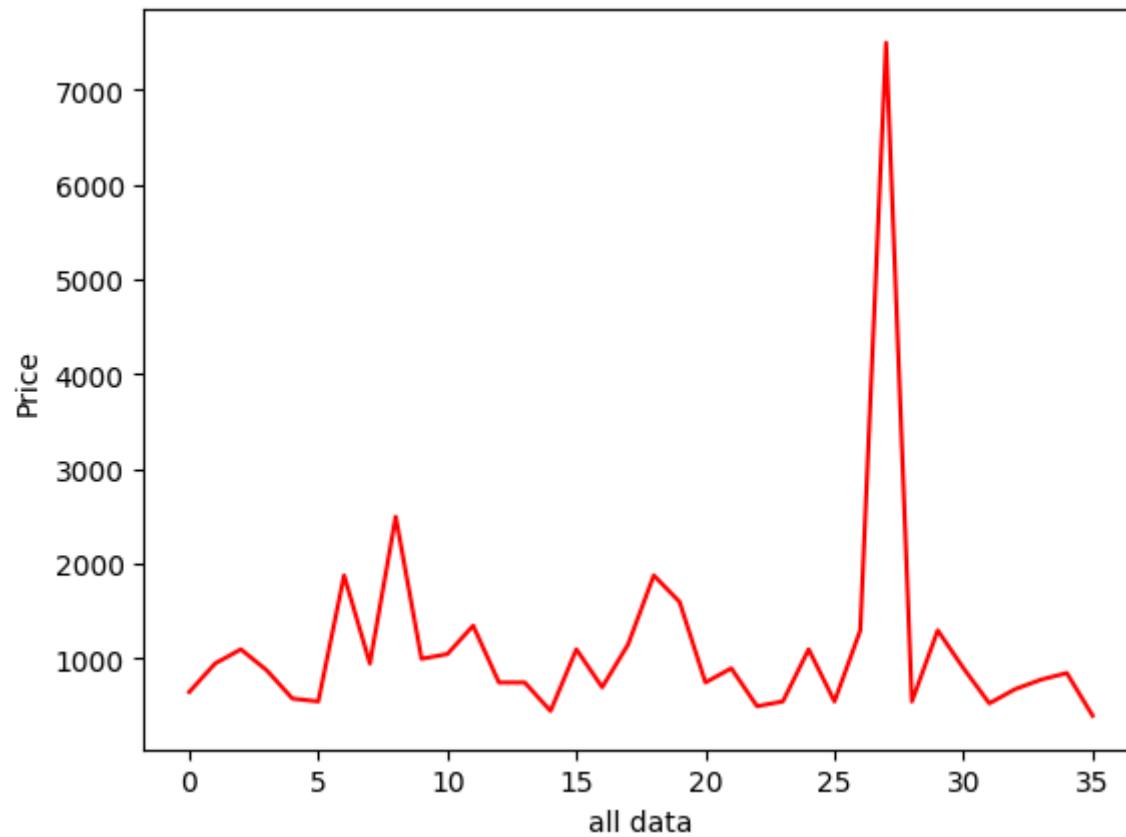
In [26]:

1 table['Price'].min()

Out[26]: 395.0

```
In [29]: 1 table['Price'].plot(color='r',xlabel = 'all data',ylabel = 'Price')
```

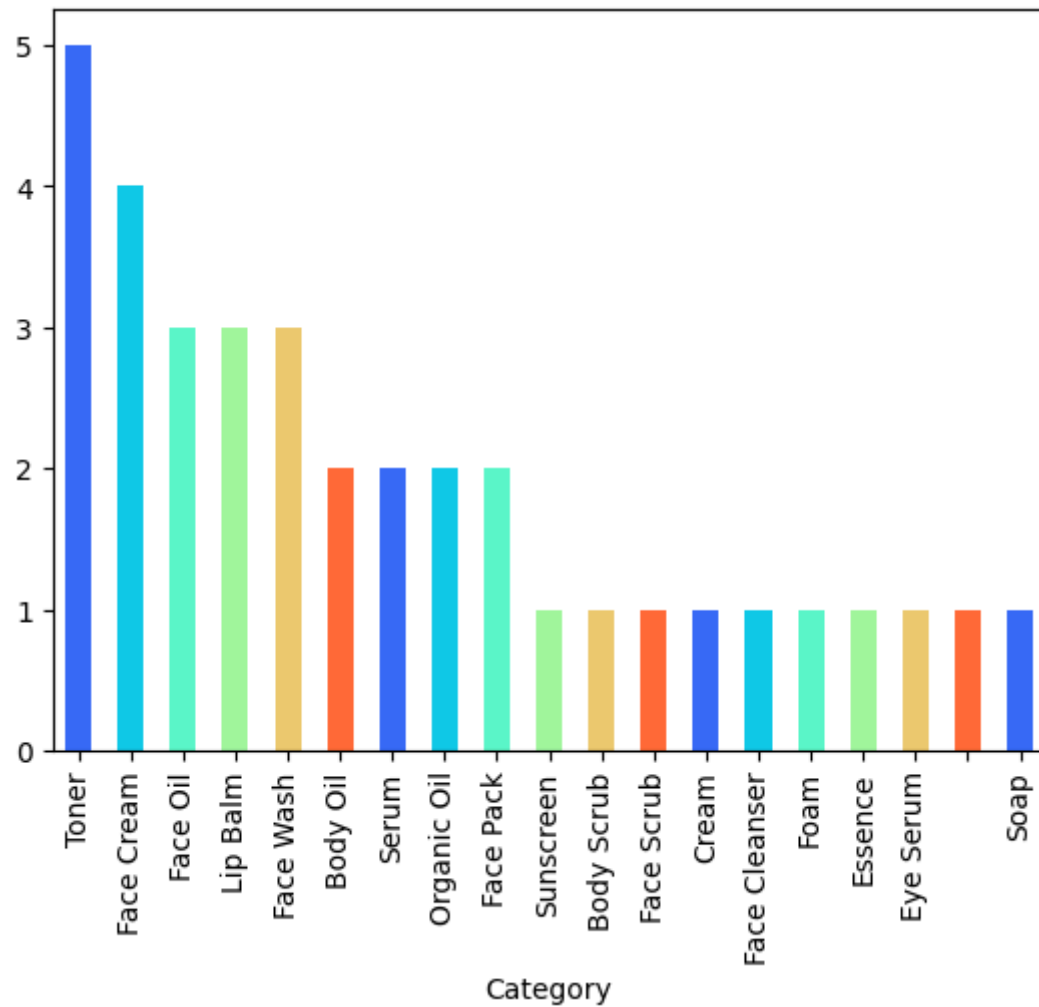
```
Out[29]: <Axes: xlabel='all data', ylabel='Price'>
```



```
In [33]: 1 import seaborn as sns
```

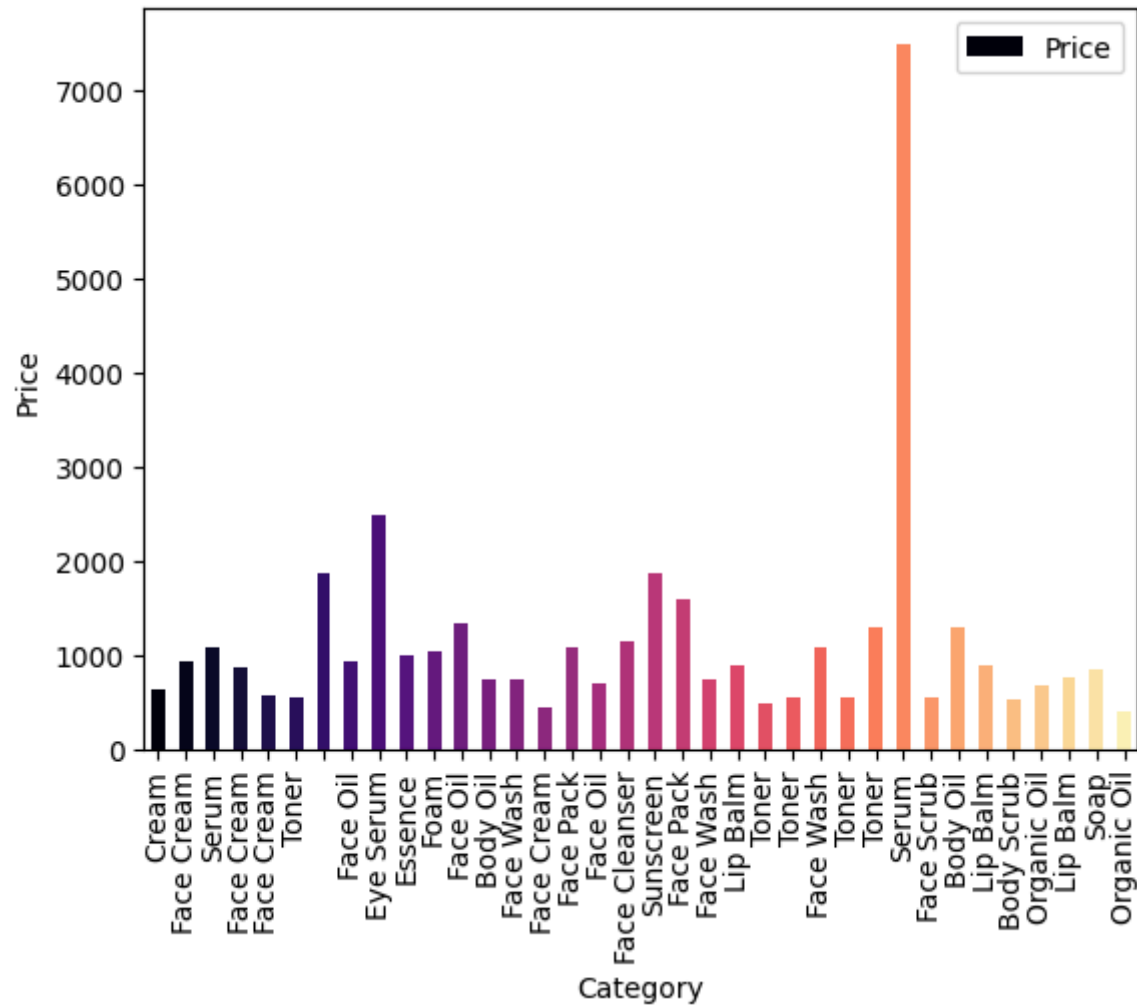
```
In [35]: 1 table['Category'].value_counts().plot(kind='bar',color = sns.color_palette('rainbow'))
```

```
Out[35]: <Axes: xlabel='Category'>
```



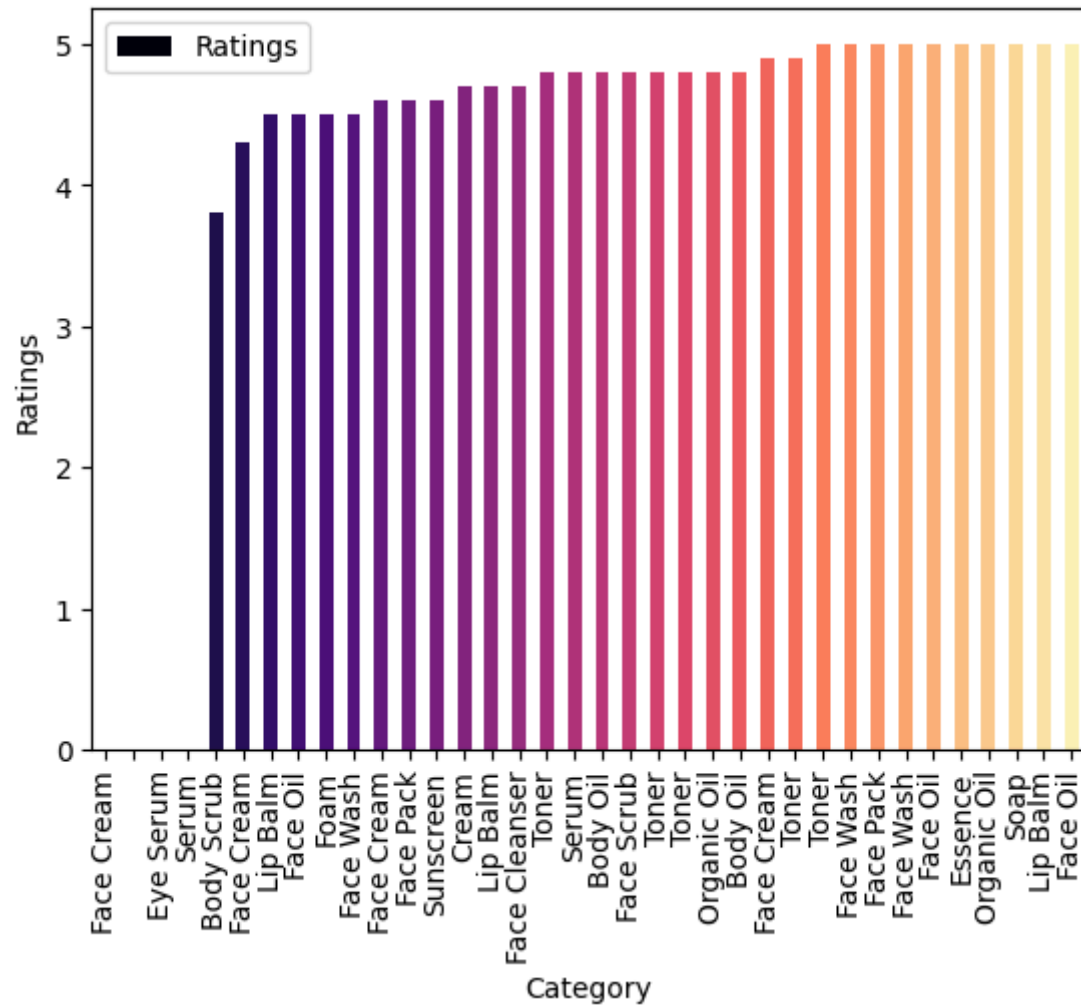
```
In [41]: 1 table.plot(x = 'Category',
2             y = 'Price',
3             kind='bar',
4             color = sns.color_palette('magma',len(table)),
5             ylabel = 'Price')
```

```
Out[41]: <Axes: xlabel='Category', ylabel='Price'>
```



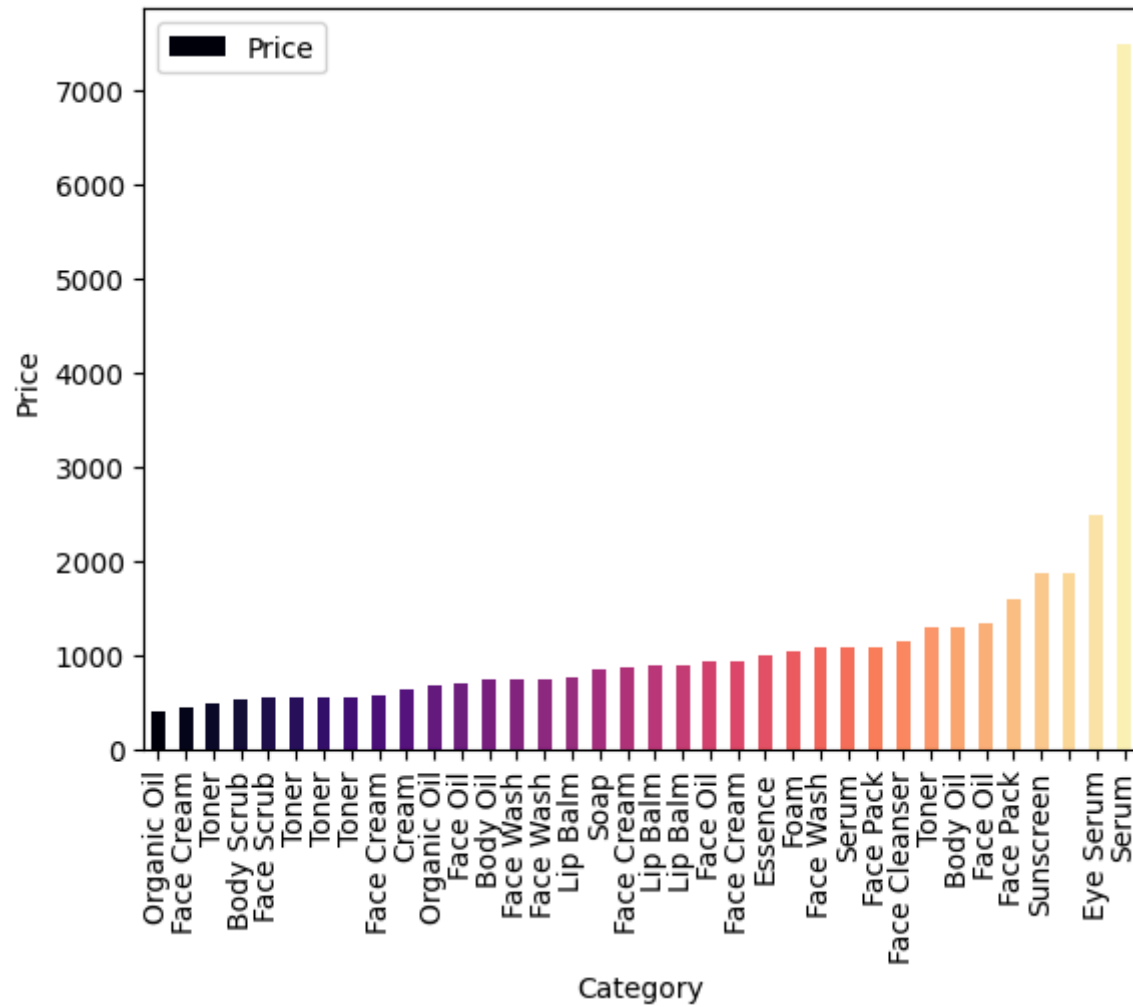
```
In [43]: 1 table.sort_values(by = 'Ratings').plot(x = 'Category',
2         y = 'Ratings',
3         kind='bar',
4         color = sns.color_palette('magma',len(table)),
5         ylabel = 'Ratings')
```

Out[43]: <Axes: xlabel='Category', ylabel='Ratings'>



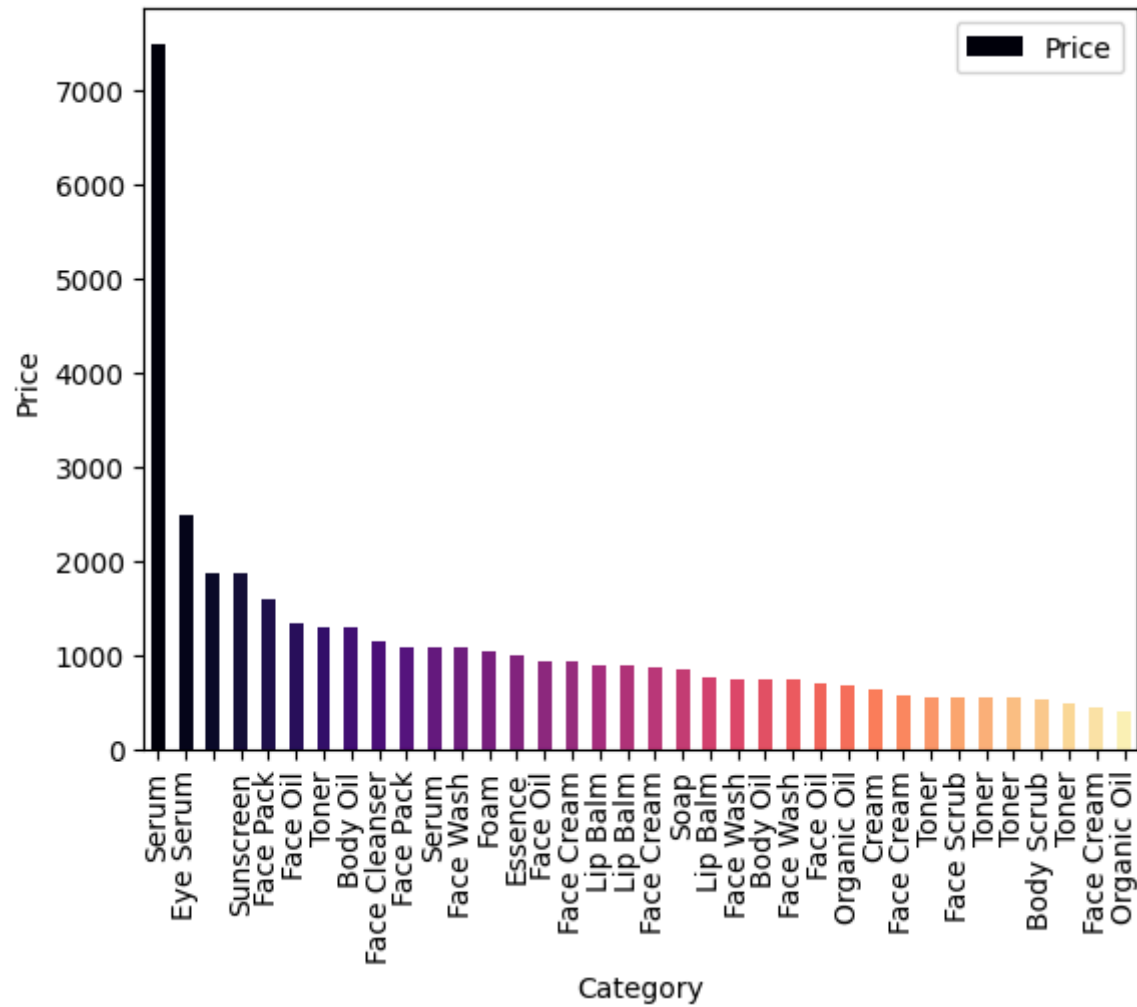

```
In [44]: 1 table.sort_values(by='Price').plot(x = 'Category',
2         y = 'Price',
3         kind='bar',
4         color = sns.color_palette('magma',len(table)),
5         ylabel = 'Price')
```

Out[44]: <Axes: xlabel='Category', ylabel='Price'>



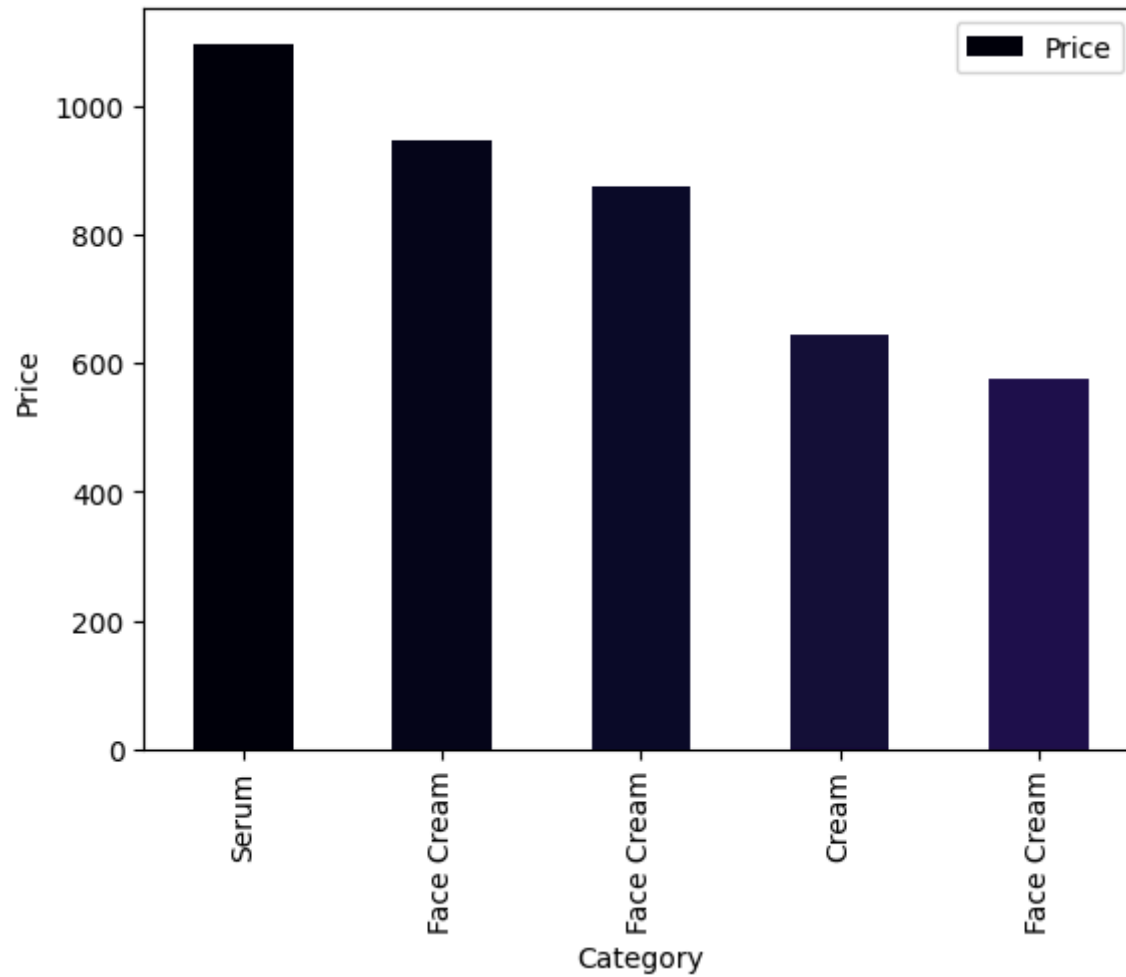
```
In [45]: 1 table.sort_values(by='Price',ascending = False).plot(x = 'Category',
2             y = 'Price',
3             kind='bar',
4             color = sns.color_palette('magma',len(table)),
5             ylabel = 'Price')
```

Out[45]: <Axes: xlabel='Category', ylabel='Price'>



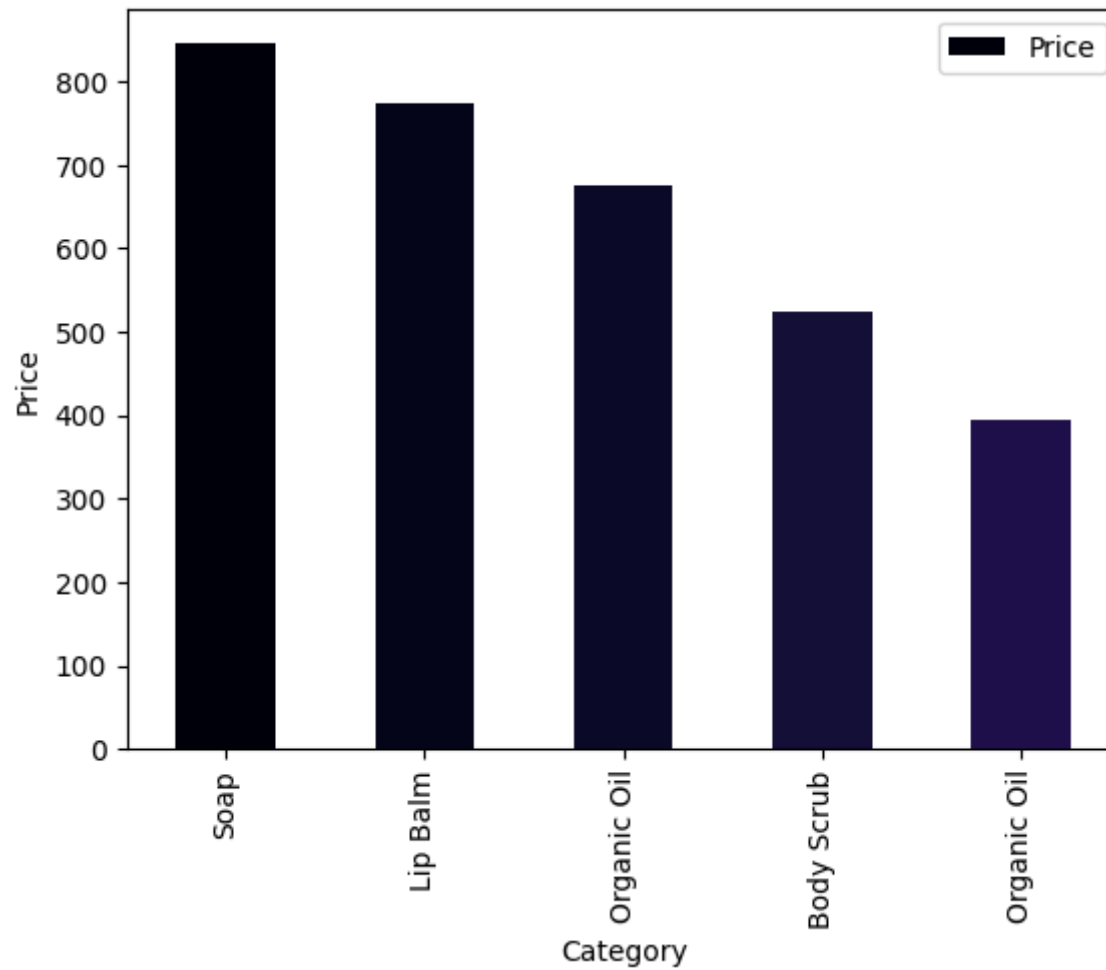
```
In [46]: 1 table.head(5).sort_values(by='Price',ascending = False).plot(x = 'Category',  
2         y = 'Price',  
3         kind='bar',  
4         color = sns.color_palette('magma',len(table)),  
5         ylabel = 'Price')
```

```
Out[46]: <Axes: xlabel='Category', ylabel='Price'>
```



```
In [47]: 1 table.tail(5).sort_values(by='Price',ascending = False).plot(x = 'Category',  
2         y = 'Price',  
3         kind='bar',  
4         color = sns.color_palette('magma',len(table)),  
5         ylabel = 'Price')
```

```
Out[47]: <Axes: xlabel='Category', ylabel='Price'>
```



In [48]:

1	table
---	-------

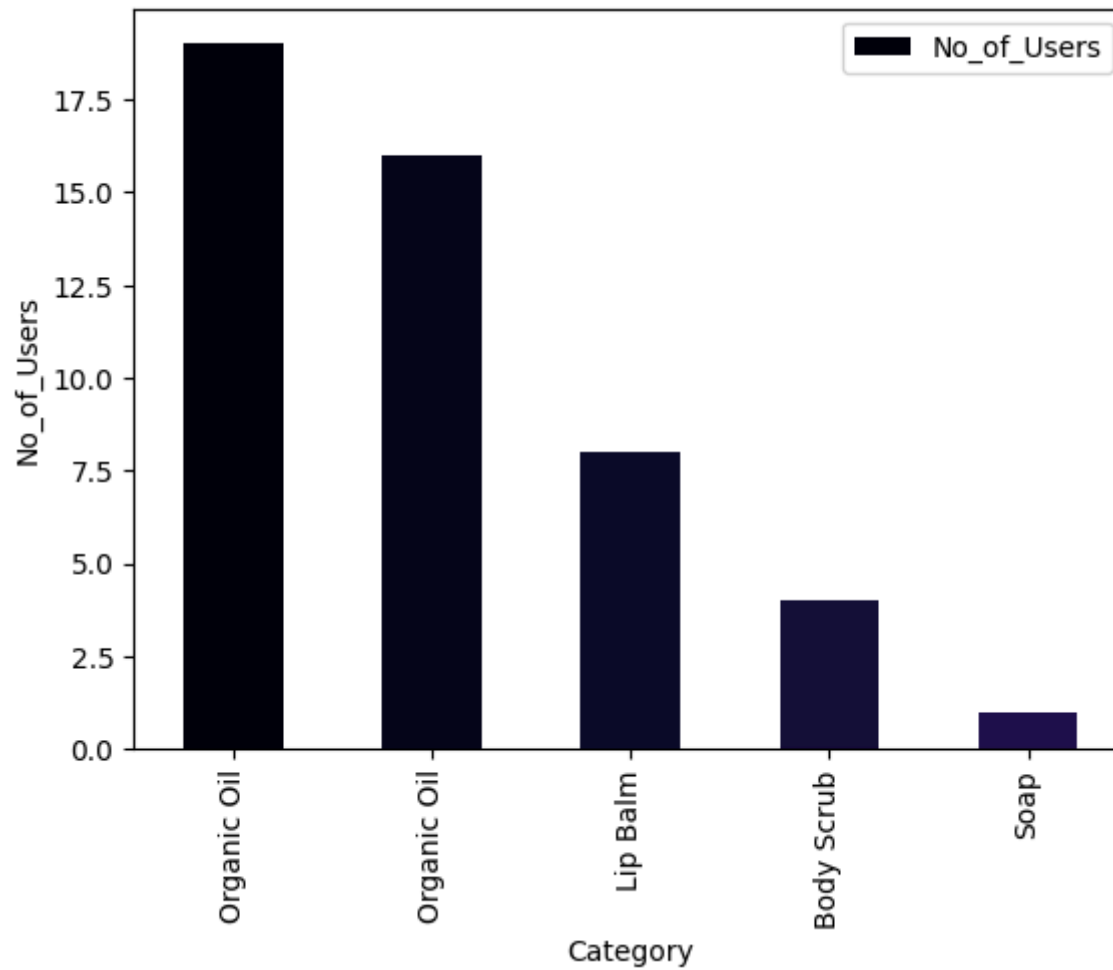
Out[48]:

	Category	Product	Price	Ratings	No_of_Users	Scrapped_time
0	Cream	kumkumadi illuminating & skin perfecting day c...	645.0	4.7	5	2024-06-13 18:25:56.882626
1	Face Cream	eladi hydrating light cream enriched with vi...	945.0	0.0	0	2024-06-13 18:25:56.882626
2	Serum	kumkumadi facial oil ayurvedic night serum	1095.0	4.8	39	2024-06-13 18:25:56.882626
3	Face Cream	kumkumadi rejuvenating & brightening night cream	875.0	4.6	43	2024-06-13 18:25:56.882626
4	Face Cream	eladi hydrating face cream enriched with vit...	575.0	4.3	14	2024-06-13 18:25:56.882626
5	Toner	pure rose water	545.0	4.9	39	2024-06-13 18:25:56.882626
6		anti acne spot corrector	1875.0	0.0	0	2024-06-13 18:25:56.882626
7	Face Oil	amarrupa wrinkle repair & firming face oil	945.0	4.5	3	2024-06-13 18:25:56.882626
8	Eye Serum	eye contour renewal	2495.0	0.0	0	2024-06-13 18:25:56.882626
9	Essence	kumkumadi brightening bi-phase essence	995.0	5.0	3	2024-06-13 18:25:56.882626
10	Foam	anti acne cleansing foam	1045.0	4.5	9	2024-06-13 18:25:56.882626
11	Face Oil	kumkumadi brightening cleansing oil	1345.0	5.0	3	2024-06-13 18:25:56.882626
12	Body Oil	nalpamaradi thailam skin brightening treatment	745.0	4.8	32	2024-06-13 18:25:56.882626
13	Face Wash	rose jasmine face cleanser cleansing, refres...	745.0	4.5	32	2024-06-13 18:25:56.882626
14	Face Cream	brightening & smoothening nightcream for men	445.0	4.9	9	2024-06-13 18:25:56.882626
15	Face Pack	suvarna haldi chandan face pack	1095.0	5.0	4	2024-06-13 18:25:56.882626
16	Face Oil	urjasara strength restoring facial oil for s...	695.0	5.0	5	2024-06-13 18:25:56.882626
17	Face Cleanser	sensitive skin cleansing foam	1145.0	4.7	7	2024-06-13 18:25:56.882626
18	Sunscreen	natural sun protection	1875.0	4.6	12	2024-06-13 18:25:56.882626
19	Face Pack	nimrah anti acne face pack	1595.0	4.6	10	2024-06-13 18:25:56.882626
20	Face Wash	himalayan deodar face cleanser for men	745.0	5.0	6	2024-06-13 18:25:56.882626
21	Lip Balm	rose lip care	895.0	5.0	2	2024-06-13 18:25:56.882626
22	Toner	pure vetiver water	495.0	4.8	9	2024-06-13 18:25:56.882626
23	Toner	pure neroli water	545.0	5.0	5	2024-06-13 18:25:56.882626
24	Face Wash	mridul soap free face cleanser	1095.0	5.0	14	2024-06-13 18:25:56.882626
25	Toner	pure mogra water	545.0	4.8	11	2024-06-13 18:25:56.882626

	Category	Product	Price	Ratings	No_of_Users	Scrapped_time
26	Toner	pure lavender water	1295.0	4.8	6	2024-06-13 18:25:56.882626
27	Serum	kumkumadi facial oil ayurvedic night serum	7495.0	0.0	0	2024-06-13 18:25:56.882626
28	Face Scrub	kumkumadi brightening face scrub	545.0	4.8	19	2024-06-13 18:25:56.882626
29	Body Oil	jwalini retexturising skin treatment oil	1295.0	4.8	21	2024-06-13 18:25:56.882626
30	Lip Balm	vanilla lip care	895.0	4.7	3	2024-06-13 18:25:56.882626
31	Body Scrub	neem tulsi tea tree body scrub	525.0	3.8	4	2024-06-13 18:25:56.882626
32	Organic Oil	organic sweet almond oil	675.0	5.0	16	2024-06-13 18:25:56.882626
33	Lip Balm	mint lip care	775.0	4.5	8	2024-06-13 18:25:56.882626
34	Soap	red sandalwood soap	845.0	5.0	1	2024-06-13 18:25:56.882626
35	Organic Oil	organic neem oil	395.0	4.8	19	2024-06-13 18:25:56.882626

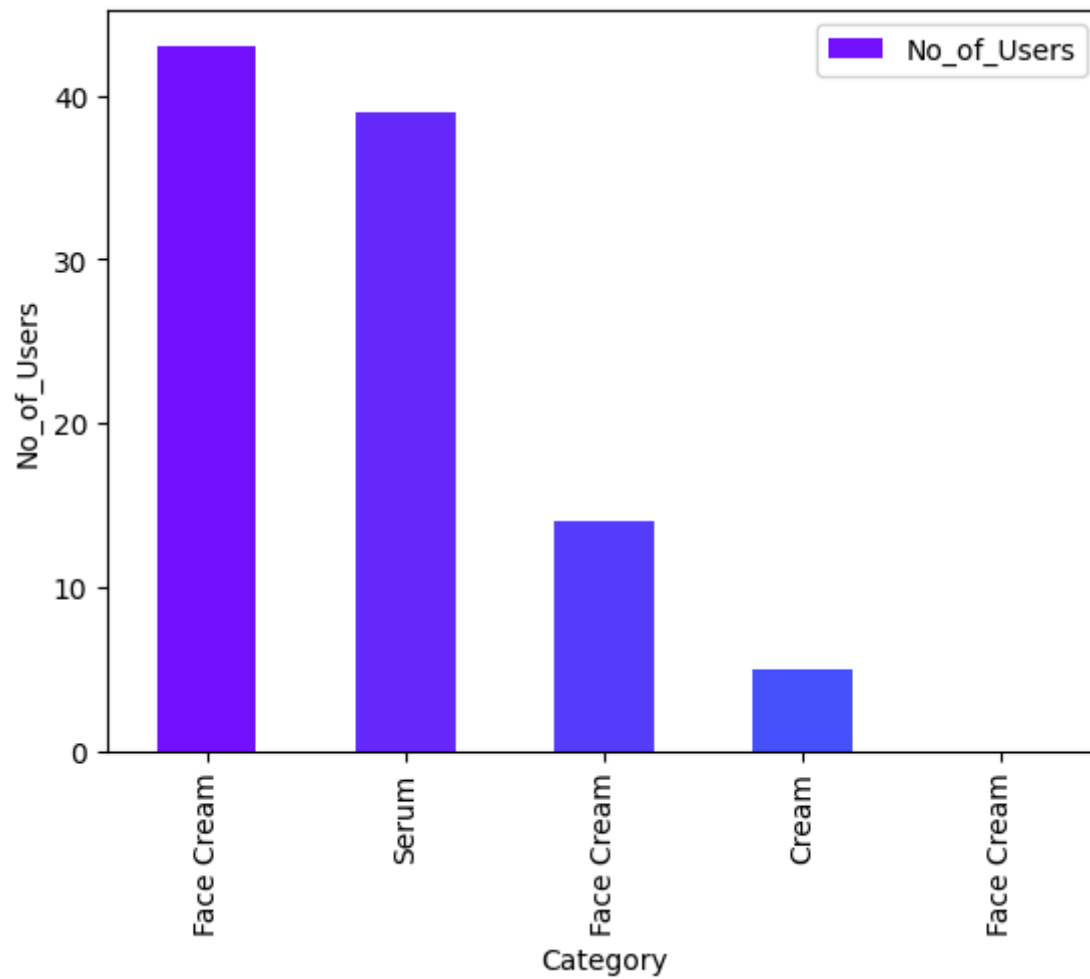
```
In [49]: 1 table.tail(5).sort_values(by='No_of_Users',ascending = False).plot(x = 'Category',
2         y = 'No_of_Users',
3         kind='bar',
4         color = sns.color_palette('magma',len(table)),
5         ylabel = 'No_of_Users')
```

```
Out[49]: <Axes: xlabel='Category', ylabel='No_of_Users'>
```



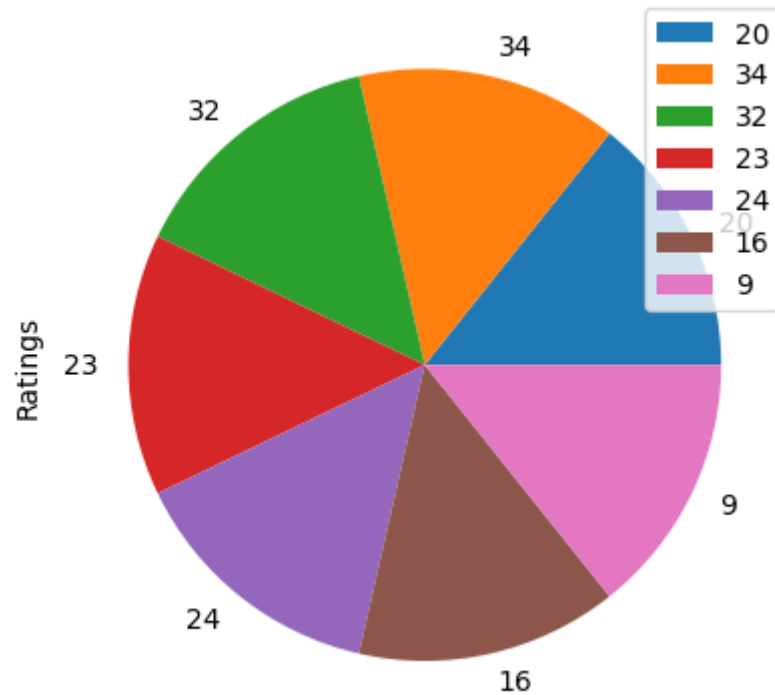

```
In [52]: 1 table.head(5).sort_values(by='No_of_Users',ascending = False).plot(x = 'Category',  
2         y = 'No_of_Users',  
3         kind='bar',  
4         color = sns.color_palette('rainbow',len(table)),  
5         ylabel = 'No_of_Users')
```

```
Out[52]: <Axes: xlabel='Category', ylabel='No_of_Users'>
```



```
In [59]: 1 table.sort_values(by='Ratings',ascending = False).head(7).plot(x = 'Product',
2                                     y = 'Ratings',
3                                     kind = 'pie')
```

Out[59]: <Axes: ylabel='Ratings'>

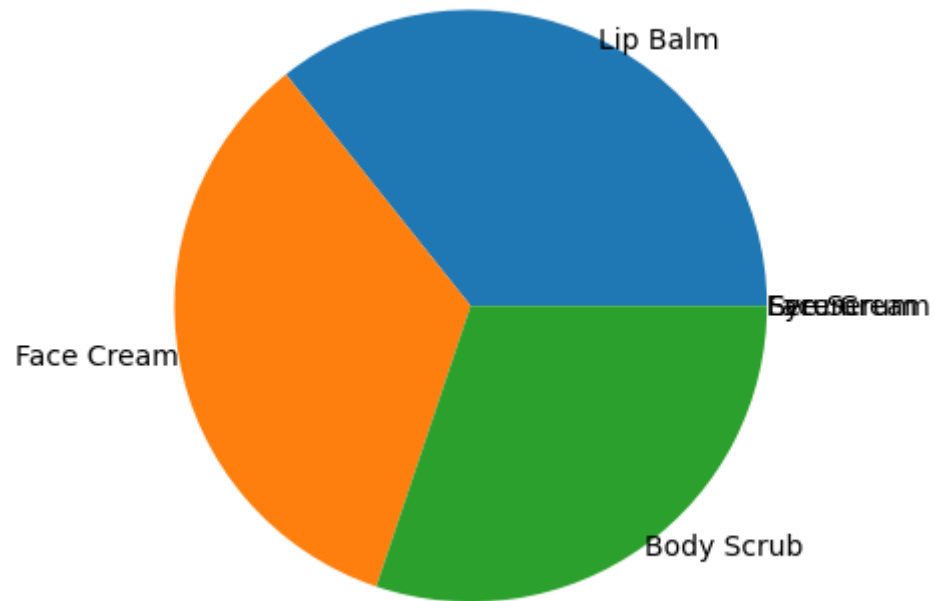


```
In [67]: 1 # table.sort_values(by='Ratings',ascending = False).tail(7).plot(y = 'Ratings',
2                                     #                                     kind = 'pie',labels = 'Product')
```

```
In [68]: 1 import matplotlib.pyplot as plt
```

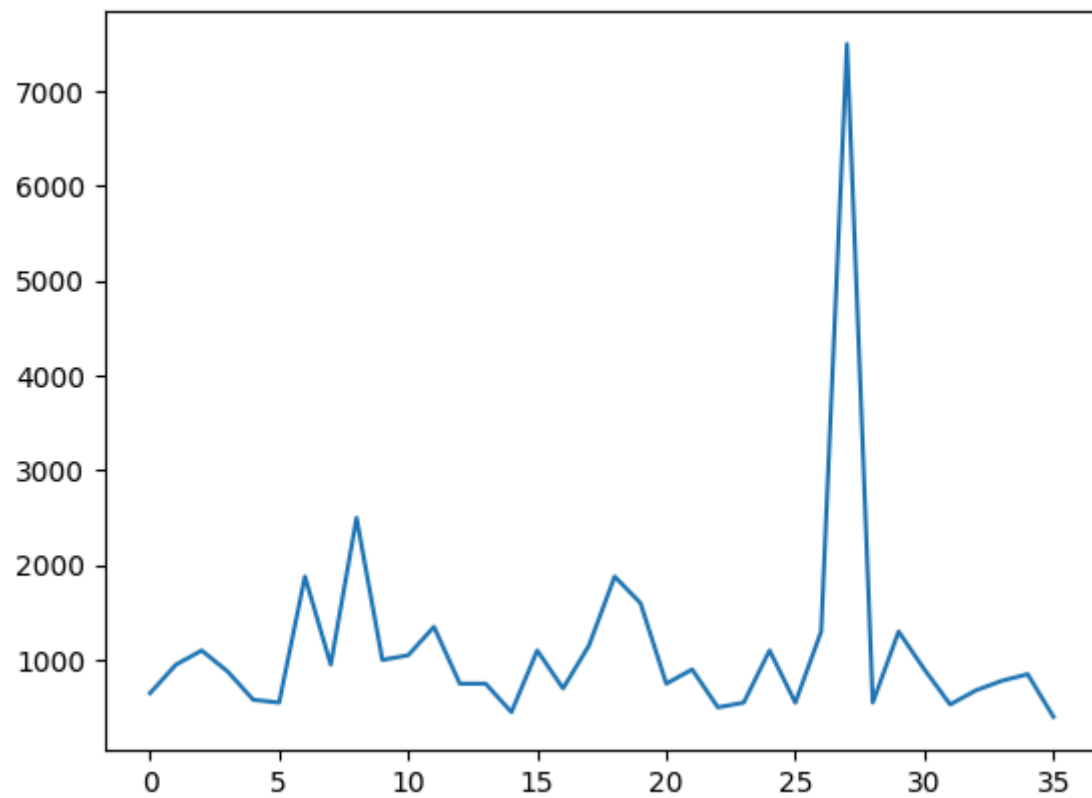
```
In [82]: 1 names = table.sort_values(by='Ratings',ascending = False).tail(7)['Category']  
2 values = table.sort_values(by='Ratings',ascending = False).tail(7)['Ratings']
```

```
In [85]: 1 plt.pie(x = values,labels=names,labeldistance=1)  
2 plt.ylabel('')  
3 plt.show()
```



```
In [88]: 1 table['Price'].plot()
```

```
Out[88]: <Axes: >
```



```
In [ ]:
```

```
1
```