

```
In [ ]: 1 pip install BeautifulSoup
```

```
In [1]: 1 pip install bs4
```

Requirement already satisfied: bs4 in c:\users\comp5\anaconda3\lib\site-packages (0.0.1)
 Requirement already satisfied: beautifulsoup4 in c:\users\comp5\anaconda3\lib\site-packages (from bs4) (4.11.1)
 Requirement already satisfied: soupsieve>1.2 in c:\users\comp5\anaconda3\lib\site-packages (from beautifulsoup4->bs4) (2.3.2.post1)
 Note: you may need to restart the kernel to use updated packages.

```
In [20]: 1 from bs4 import BeautifulSoup
2 import requests
3 import pandas as pd
```

```
In [21]: 1 url="https://www.nykaa.com/search/result/?q=lakme+lipstick&root=search&sea
```

```
In [22]: 1 sap=requests.get(url)
2 sap
```

```
Out[22]: <Response [200]>
```

```
In [23]: 1 page=requests.get(url)
2 page.text
```

```
Out[23]: '<!doctype html><html lang="en"><head><meta charset="utf-8"/><meta name="viewport" content="width=device-width,initial-scale=1.0,maximum-scale=5.0"/><meta name="theme-color" content="#fff"/><meta name="author" content="NykaaFrontendTeam"/><script type="text/javascript">\n;window.NREUM||(NREUM={});NREUM.init={distributed_tracing:{enabled:true},privacy:{cookies_enabled:true},ajax:{deny_list:["bam.nr-data.net"]}};\n\nNREUM.loader_config={accountID:"1225159",trustKey:"1225159",agentID:1001474717,licenseKey:"a3a71d91f4",applicationID:1001474717};\nNREUM.info={beacon:"bam.nr-data.net",errorBeacon:"bam.nr-data.net",licenseKey:"a3a71d91f4",applicationID:1001474717,sa:1};\n;(()=>{var e,t,r={9071:(e,t,r)=>{"use strict";r.d(t,{I:()=>n});var n=0,i=navigator.userAgent.match(/Firefox[\\[\\s](\\d+\\.\\d+\\.\\d+)/);i&&(n=i[1])},8768:(e,t,r)=>{"use strict";r.d(t,{T:()=>n,p:()=>i});const n=/(iPad|iPhone|iPod)/g.test(navigator.userAgent),i=n&&Boolean("undefined"==typeof SharedWorker)},2919:(e,t,r)=>{"use strict";r.d(t,{P_:(()=>g,Mt:()=>v,C5:()=>c,DL:()=>y,OP:()=>P,lF:()=>C,Yu:()=>x,Dg:()=>p,CX:()=>u,GE:()=>w,sU:()=>I});var n={};r.r(n),r.d(n,{agent:()=>A,match:()=>S,version:()=>E});var i=r(6797),o=r(4286);const a={beacon:i.ce.beacon,errorBeacon:i.ce.errorBeacon,licenseKey:void 0,applicationID:void 0,sa:void 0,queueTime:void 0,applicationTime:void 0,ttGuid:void 0,user:void 0,account:void 0,product:void 0,extra:void 0,deviceId:void 0,userAttributes:void 0,referrer:void 0,transactionName:void 0
```

```
In [24]: 1 sap=BeautifulSoup(page.text)
          2 sap
```

```
Out[24]: <!DOCTYPE html>
<html lang="en"><head><meta charset="utf-8"/><meta content="width=device-wi
dth,initial-scale=1.0,maximum-scale=5.0" name="viewport"/><meta content="#f
ff" name="theme-color"/><meta content="NykaaFrontendTeam" name="author"/><s
cript type="text/javascript">
;window.NREUM||(NREUM={});NREUM.init={distributed_tracing:{enabled:true},pr
ivacy:{cookies_enabled:true},ajax:{deny_list:["bam.nr-data.net"]}};

;NREUM.loader_config={accountID:"1225159",trustKey:"1225159",agentID:100147
4717,licenseKey:"a3a71d91f4",applicationID:1001474717};
;NREUM.info={beacon:"bam.nr-data.net",errorBeacon:"bam.nr-data.net",license
Key:"a3a71d91f4",applicationID:1001474717,sa:1};
;(()=>{var e,t,r={9071:(e,t,r)=>{"use strict";r.d(t,{I:()=>n});var n=0,i=na
vigator.userAgent.match(/Firefox[\\\/s](\d+\.\d+)/);i&&(n+=i[1])},8768:(e,t,
r)=>{"use strict";r.d(t,{T:()=>n,p:()=>i});const n=/(iPad|iPhone|iPod)/g.te
st(navigator.userAgent),i=n&&Boolean("undefined"==typeof SharedWorker)},291
9:(e,t,r)=>{"use strict";r.d(t,{P_:()=>g,Mt:()=>v,C5:()=>c,DL:()=>y,OP:()=>
P,lF:()=>C,Yu:()=>x,Dg:()=>p,CX:()=>u,GE:()=>w,sU:()=>I});var n={};r.r(n),
r.d(n,{agent:()=>A,match:()=>S,version:()=>E});var i=r(6797),o=r(4286);cons
```

```
In [25]: 1 sap.h1.text
```

```
Out[25]: 'lakme lipstick'
```

```
In [26]: 1 title=sap.find_all('div',class_="css-xrzmfa")
```

```
In [27]: 1 price=sap.find_all('span',class_="css-111z9ua")
```

```
In [35]: 1 act_price=sap.find_all('span',class_="css-17x46n5")
          2
```

```
In [37]: 1 offer=sap.find_all('span',class_="css-5x9gdn")
```

```
In [30]: 1 product_name=[]
          2 price_list=[]
          3 act_price_list=[]
          4 offer_list=[]
          5
```

```
In [31]: 1 for i in title:
2         title=i.text
3         product_name.append(title)
4 for i in price:
5         price=i.text
6         price_list.append(price)
7 for i in act_price:
8         act_price=i.text
9         act_price_list.append(act_price)
10 for i in offer:
11         offer=i.text
12         offer_list.append(offer)
```

```
In [42]: 1 import pandas as pd
2 a={"Product Name":product_name,"Price":price_list,"Actual Price":act_price_list,"Offer":offer_list}
3 df=pd.DataFrame.from_dict(a,orient="index")
4 df.transpose()
```

Out[42]:

	Product Name	Price	Actual Price	Offer
0	Lakme Forever Matte Liquid Lip Color	₹314	MRP:₹349	Extra 10% Off
1	Lakme 9 To 5 Primer + Matte Lipstick	₹495	MRP:₹550	Extra 10% Off
2	Lakme Cushion Matte Lipstick	₹276	MRP:₹325	Extra 10% Off
3	Lakme 9 to 5 Weightless Matte Mousse Lip & Che...	₹653	MRP:₹725	Extra 10% Off
4	Lakme 9to5 Primer + Matte Liquid Lip Color	₹499	MRP:	Extra 10% Off
5	Lakme Absolute Lip Mousse	₹585	MRP:₹650	Extra 10% Off
6	Lakme Absolute Skin Dew Satin Lipstick	₹630	MRP:₹700	Extra 10% Off
7	Lakme Absolute Matte Ultimate Lip Color with A...	₹784	MRP:₹825	Extra 10% Off
8	Lakme Absolute Matte Melt Mini Liquid Lip Color	₹400	MRP:	Extra 10% Off
9	Lakme Absolute Matte Melt Liquid Lip Color	₹800	MRP:	Extra 10% Off
10	Lakme Absolute Matte Revolution Lip Color	₹784	MRP:₹825	Extra 10% Off
11	Lakme Absolute 3D Lipstick	₹784	MRP:₹825	Extra 10% Off
12	Lakme Absolute Plush Matte Lip Crayon	₹784	MRP:₹825	Extra 10% Off
13	Lakme Lip Love Chapstick SPF 15	₹135	MRP:₹150	Extra 10% Off
14	Lakme Absolute Precision Lip Paint	₹700	MRP:	Extra 10% Off
15	Lakme 9 To 5 Primer + Shine Lipstick	₹495	MRP:₹550	Extra 10% Off
16	Lakme Absolute Plump And Shine Lip Gloss	₹546	MRP:₹575	Extra 10% Off
17	Lakme Lip Love Gelato Chapstick	₹179	MRP:₹199	None
18	Lakme Cushion Matte Lip	₹254	MRP:₹299	None
19	Lakme Absolute 3D Lip Definer	₹713	MRP:₹750	None

```
In [44]: 1 excel=df.to_csv("sap.csv")
```

In []:

1