

In [1]:

```
from bs4 import BeautifulSoup as bs
```

In [2]:

```
import requests
```

In [43]:

```
import pandas
```

In [3]:

```
GQJW5DE.SEARCH&ppt=pp&ppn=pp&ssid=pzml15os6o0000001663262423366&qH=be9862f704979d6e"
```

In [4]:

```
page=requests.get(link)
```

In [5]:

```
page
```

Out[5]:

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

In [6]:

```
page.content
```

```
r,o);for(var s=e(o),c=m(n),f=c.length,u=0;u<f;u++)c[u].apply(s,r);var
p=d[y[n]];return p&&p.push([x,n,r,s]),s}}function i(t,e){g[t]=m(t).con
cat(e)}function h(t,e){var n=g[t];if(n)for(var r=0;r<n.length;r++)n[r]
===e&&n.splice(r,1)}function m(t){return g[t]||[]}}function v(t){return
p[t]=p[t]||o(n)}function w(t,e){l.aborted||u(t,function(t,n){e=e||"fea
ture",y[n]=e,e in d||(d[e]=[])})}var g={},y={},x={on:i,addEventListener:
r,i,removeEventListener:h,emit:n,get:v,listeners:m,context:e,buffer:w,
abort:s,aborted:!1};return x}function i(t){return f(t,c,a)}function a
(){return new r}function s(){(d.api||d.feature)&&(l.aborted=!0,d=l.bac
klog={})}var c="nr@context",f=t("gos"),u=t(31),d={},p={},l=e.exports=o
();e.exports.getOrSetContext=i,l.backlog=d},{},gos:[function(t,e,n){f
unction r(t,e,n){if(o.call(t,e))return t[e];var r=n();if(Object.define
Property&&Object.keys)try{return Object.defineProperty(t,e,{value:r,wr
itable:!0,enumerable:!1}),r}catch(i){}return t[e]=r,r}var o=Object.pro
totype.hasOwnProperty;e.exports=r},{},handle:[function(t,e,n){functio
n r(t,e,n,r){o.buffer([t],r),o.emit(t,e,n)}var o=t("ee").get("handl
e");e.exports=r,r.ee=o},{},id:[function(t,e,n){function r(t){var e=ty
peof t;return!t||"object"!==e&&"function"!==e?-1:t===window?0:a(t,i,fu
nction(){return o++})}var o=1,i="nr@id",a=t("gos");e.exports=r},{},lo
ader:[function(t,e,n){function r(){if(!t)for(var t=0;info=NRPEUM;info o-
```

In [7]:

```
soup=bs(page.content,"html.parser")
```

In [8]:

soup

```
<html lang="en"><head><link href="https://rukminim1.flixcart.com" rel="preconnect"/><link href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app_modules.chunk.905c37.css" rel="stylesheet"/><link href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app.chunk.104e9a.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:b:page_id"/><meta content="658873552,624500995,100000233612389" property="fb:admins"/><meta content="noodp" name="robots"/><link href="https://static-assets-web.flixcart.com/www/promos/new/20150528-140547-favicon-retina.ico" rel="shortcut icon"/><link href="/osdd.xml?v=2" rel="search" type="application/opensearchdescription+xml"/><meta content="website" property="og:type"/><meta content="Flipkart.com" name="og_site_name" property="og:site_name"/><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"/><link href="/apple-touch-icon-114x114.png" rel="apple-touch-icon" sizes="114x114"/><link href="/apple-touch-icon-144x144.png" rel="apple-touch-icon" sizes="144x144"/><link href="/apple-touch-icon-57x57.png" rel="apple-touch-icon"/><meta content="app" name="twitter:card"/><meta content="8flipkart" n
```

In [9]:

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

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <link href="https://rukminim1.flixcart.com" rel="preconnect"/>
    <link href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp
-zion/css/app_modules.chunk.905c37.css" rel="stylesheet"/>
    <link href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp
-zion/css/app.chunk.104e9a.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:adm
ins"/>
    <meta content="noodp" name="robots"/>
    <link href="https://static-assets-web.flixcart.com/www/promos/new/20
150528-140547-favicon-retina.ico" rel="shortcut icon"/>
    <link href="/osdd.xml?v=2" rel="search" type="application/opensearch
description+xml"/>
    <meta content="website" property="og:type"/>
    <meta content="Flixcart" name="og:site_name" property="og:site_name">
```

In [10]:

```
title=soup.title
```

In [11]:

```
print(title)
```

<title>APPLE 2020 Macbook Air M1 - (8 GB/512 GB SSD/Mac OS Big Sur) MG
N73HN/A Rs.117900 Price in India - Buy APPLE 2020 Macbook Air M1 - (8
GB/512 GB SSD/Mac OS Big Sur) MGN73HN/A Space Grey Online - APPLE : Fl
ipkart.com</title>

In [12]:

```
print(type(title))
```

```
<class 'bs4.element.Tag'>
```

In [13]:

```
print(title.string)
```

```
APPLE 2020 Macbook Air M1 - (8 GB/512 GB SSD/Mac OS Big Sur) MGN73HN/A  
Rs.117900 Price in India - Buy APPLE 2020 Macbook Air M1 - (8 GB/512  
GB SSD/Mac OS Big Sur) MGN73HN/A Space Grey Online - APPLE : Flipkart.  
com
```

In [14]:

```
price=soup.find_all("div",class_="_30jeq3 _16Jk6d")
```

In [15]:

```
price
```

Out[15]:

```
[<div class="_30jeq3 _16Jk6d">₹1,17,900</div>]
```

In [16]:

```
print(price)
```

```
[<div class="_30jeq3 _16Jk6d">₹1,17,900</div>]
```

In [17]:

```
product_price=[]  
for i in range(0,len(price)):  
    product_price.append(price[i].get_text())  
product_price
```

Out[17]:

```
['₹1,17,900']
```

In [18]:

```
customer=soup.find_all("p",class_="_2sc7ZR _2V5EHH")
```

In [19]:

```
customer
```

Out[19]:

```
[<p class="_2sc7ZR _2V5EHH">Abhishek Kharkwal</p>,
 <p class="_2sc7ZR _2V5EHH">Himanshu Raj</p>,
 <p class="_2sc7ZR _2V5EHH">Ashwin N</p>,
 <p class="_2sc7ZR _2V5EHH">Tanay Shandilya</p>,
 <p class="_2sc7ZR _2V5EHH">Naveen Reddy</p>,
 <p class="_2sc7ZR _2V5EHH">Hardik Mathur</p>,
 <p class="_2sc7ZR _2V5EHH">Siddharth Fadnis</p>,
 <p class="_2sc7ZR _2V5EHH">Sandhya Mohan rangana</p>,
 <p class="_2sc7ZR _2V5EHH">Ram Sheoran</p>,
 <p class="_2sc7ZR _2V5EHH">Logeshkumar Gandhi</p>]
```

In [20]:

```
cust_name=[]
for i in range(0,len(customer)):
    cust_name.append(customer[i].get_text())
```

In [21]:

```
cust_name
```

Out[21]:

```
['Abhishek Kharkwal',
 'Himanshu Raj',
 'Ashwin N',
 'Tanay Shandilya',
 'Naveen Reddy',
 'Hardik Mathur',
 'Siddharth Fadnis',
 'Sandhya Mohan rangana',
 'Ram Sheoran',
 'Logeshkumar Gandhi']
```

In [22]:

```
comment=soup.find_all("p",class_="_2-N8zT")
```

In [23]:

```
comment
```

Out[23]:

```
[<p class="_2-N8zT">Perfect product!</p>,
 <p class="_2-N8zT">Super!</p>,
 <p class="_2-N8zT">Highly recommended</p>,
 <p class="_2-N8zT">Awesome</p>,
 <p class="_2-N8zT">Terrific purchase</p>,
 <p class="_2-N8zT">Terrific purchase</p>,
 <p class="_2-N8zT">Terrific beast for a computer</p>,
 <p class="_2-N8zT">Simply awesome</p>,
 <p class="_2-N8zT">Terrific</p>,
 <p class="_2-N8zT">Great product</p>]
```

In [24]:

```
cust_comment=[]  
for i in range(0,len(comment)):  
    cust_comment.append(comment[i].get_text())
```

In [25]:

```
cust_comment
```

Out[25]:

```
['Perfect product!',  
'Super!',  
'Highly recommended',  
'Awesome',  
'Terrific purchase',  
'Terrific purchase',  
'Terrific beast for a computer',  
'Simply awesome',  
'Terrific',  
'Great product']
```

```
star=soup.find_all("div",class="_3LWZlK _1BLPMq")
star
```

<div class="_3LWZlK _1BLPMq">5</div>

<div class="_3LWZlK _1BLPMq">5</div>

<div class="_3LWZlK _1BLPMq">5</div>

<div class="_3LWZlK _1BLPMq">5</div>

<div class="_3LWZlK _1BLPMq">5</div>

<div class="_3LWZlK _1BLPMq">5</div>

<div class="_3LWZlK _1BLPMq">5</div>

<div class="_3LWZlK _1BLPMq">5</div>

```
<div class="_3LWZlK _1BLPMq">5</div>
```

In [27]:

```
cust_star=[]  
for i in range(0,len(star)):  
    cust_star.append(star[i].get_text())
```

In [28]:

```
cust_star
```

Out[28]:

```
['5', '5', '5', '5', '5', '5', '5', '5', '5', '5']
```

In [37]:

```
review=soup.find_all("div",class_="t-ZTKy")
```

In [38]:

review

Out[38]:

```
[<div class="t-ZTKy"><div><div class="">Flash⚡⚡⚡⚡⚡ <br/>First of a
ll, thankyou Flipkart for this Amazing deal.❤️😍<br/>Got the product a
few days back. So far looks so good. Speed is incredibly insane. This
kind of machine gets manufactured once in decades. Points to consider:
<br/>1. Body (premium)<br/>2. Looks / display (beautiful / retina disp
lay)<br/>3. Compact (light weight)<br/>4. Battery backup (12-15 hours
/ screen on time is somewhere between 8-9 hours)<br/>5. Performance (w
roooooom superfast⚡ )<br/>Will update the complete review after 1 month
of usage.</div><span class="_1H-bmy"><span>READ MORE</span></span></di
v></div>,
<div class="t-ZTKy"><div><div class="">Awesome product <br/>I just sw
itch from windows to mac awesome experience<br/>Everything is great <b
r/>Boot up in just 1-2 sec battery life is great <br/>Everything in th
is laptop is of top level just go for it</div><span class="_1H-bmy"><s
pan>READ MORE</span></span></div></div>,
<div class="t-ZTKy"><div><div class="">After using Windows OS for 23+
years and almost having never used any Apple device/Mac OS, I was very
hesitant to consider MacBook Air when my much older Dell laptop died.
<br/>After doing thorough research and watching reviews on YouTube, I
finally made the decision to go for it . The delivery experience was g
reat. Packaging was top notch and the product itself-MIND BLOWING!!<b
r/>It boots up within seconds and performs like a BEAST while remainin
g cool. This is very shocking since there are no fans ...</div><span c
lass="_1BWGvX"><span>READ MORE</span></span></div></div>,
<div class="t-ZTKy"><div><div class="">Writing this after a week of p
urchase. I cannot express the awesomeness of this product. Everything
just seems to be perfect be it the display, the battery, the appearanc
e and most of all the performance. Totally in love with this. Go for i
t without having a second thought.</div><span class="_1H-bmy"><span>RE
AD MORE</span></span></div></div>,
<div class="t-ZTKy"><div><div class="">The one powerful machine u wil
l need forever...!! This machine can handle ur daily works easily it's
very light weight and stylish using since ten days didn't see any kind
of lags it works flawlessly, battery is also good easily upto 5 hrs st
andby using continuously all over nice but only one major drawback is
ports u have to get a nice usb hub so that u don't damage your ports.
</div><span class="_1H-bmy"><span>READ MORE</span></span></div></div>,
<div class="t-ZTKy"><div><div class="">People will tell you how buyin
g a windows laptop is better. How you are wasting your money. This and
that. But let me assure you this: this is the best laptop you'll ever
buy and no windows laptop will be able to compete with it. And as far
as flexibility is concerned, you can install everything on it includin
g Ubuntu and cracked office, etc. it's beautiful beast. Magnificent.</
div><span class="_1H-bmy"><span>READ MORE</span></span></div></div>,
<div class="t-ZTKy"><div><div class="">Excellent product. No review n
ecessary, just loving it.<br/>For clarity - the Macbook Air M1 Chip 20
20 with 512 GB disk as marketed on flipkart comes with 8 core CPU and
8 core GPU configuration.</div><span class="_1H-bmy"><span>READ MORE</
span></span></div></div>,
<div class="t-ZTKy"><div><div class="">Awesome experience. The delive
ry was very quick in a day. The macbook m1 version is very fast in pro
cessing. Thanks flipkart for the quick delivery and packaging as well.
Well done.</div><span class="_1H-bmy"><span>READ MORE</span></span></d
iv></div>,
<div class="t-ZTKy"><div><div class="">Great product, sincere thanks
```


to Flipkart and Reseller both for delivery.

Recommended for a ll, and those who use laptop for work primarily, can go for it if willing to learn new o/s Mac, plus willing to get into apple ecosystem (both software/ apps, and accessories/ hardware).

It might take a while before one gets along, and come out of windows mindset, as every transition takes time and efforts.</div>READ MORE</div></div>,

<div class="t-ZTKy"><div><div class="">The delivery was done before estimated date. Thanks flipkart for that. This is my first Mac, I am getting used to it. Display is crystal clear, sound is awesome, wonderful trackpad and the performance is mind blowing. After working with windows laptop for years, I am seeing a quite bit of difference in the way apps are started. It is blazing fast! I am not a heavy user, however Apple MacBook Air M1 adds wow factor in everything it does. This may be because I am new to Mac, but I am loving it...</div>READ MORE</div></div>]

In [41]:

```
cust_review=[]
for i in range(0,len(review)):
    cust_review.append(review[i].get_text())
```

In [42]:

```
cust_review
```

Out[42]:

['Flash⚡⚡⚡⚡⚡ First of all, thankyou Flipkart for this Amazing deal.❤️😭 Got the product a few days back. So far looks so good. Speed is incredibly insane. This kind of machine gets manufactured once in decades. Points to consider:1. Body (premium)2. Looks / display (beautiful / retina display)3. Compact (light weight)4. Battery backup (12-15 hours / screen on time is somewhere between 8-9 hours)5. Performance (wroom superfast⚡)Will update the complete review after 1 month of usage.READ MORE',

'Awesome product I just switch from windows to mac awesome experience Everything is great Boot up in just 1-2 sec battery life is great Everything in this laptop is of top level just go for itREAD MORE',

'After using Windows OS for 23+ years and almost having never used any Apple device/Mac OS, I was very hesitant to consider MacBook Air when my much older Dell laptop died. After doing thorough research and watching reviews on YouTube, I finally made the decision to go for it. The delivery experience was great. Packaging was top notch and the product itself-MIND BLOWING!!It boots up within seconds and performs like a BEAST while remaining cool. This is very shocking since there are no fans ...READ MORE',

'Writing this after a week of purchase. I cannot express the awesomeness of this product. Everything just seems to be perfect be it the display, the battery, the appearance and most of all the performance. Totally in love with this. Go for it without having a second thought.READ MORE',

'The one powerful machine u will need forever...!! This machine can handle ur daily works easily it's very light weight and stylish using since ten days didn't see any kind of lags it works flawlessly, battery is also good easily upto 5 hrs standby using continuously all over nice but only one major drawback is ports u have to get a nice usb hub so that u don't damage your ports.READ MORE',

'People will tell you how buying a windows laptop is better. How you are wasting your money. This and that. But let me assure you this: this is the best laptop you'll ever buy and no windows laptop will be able to compete with it. And as far as flexibility is concerned, you can install everything on it including Ubuntu and cracked office, etc. it's beautiful beast. Magnificent.READ MORE',

'Excellent product. No review necessary, just loving it.For clarity - the Macbook Air M1 Chip 2020 with 512 GB disk as marketed on flipkart comes with 8 core CPU and 8 core GPU configuration.READ MORE',

'Awesome experience. The delivery was very quick in a day. The macbook m1 version is very fast in processing. Thanks flipkart for the quick delivery and packaging as well. Well done.READ MORE',

'Great product, sincere thanks to Flipkart and Reseller both for delivery.Recommended for all, and those who use laptop for work primarily, can go for it if willing to learn new o/s Mac, plus willing to get into apple ecosystem (both software/ apps, and accessories/ hardware). It might take a while before one gets along, and come out of windows mindset, as every transition takes time and efforts.READ MORE',

'The delivery was done before estimated date. Thanks flipkart for that. This is my first Mac, I am getting used to it. Display is crystal clear, sound is awesome, wonderful trackpad and the performance is mind blowing. After working with windows laptop for years, I am seeing a quite bit of difference in the way apps are started. It is blazing fast! I am not a heavy user, however Apple MacBook Air M1 adds wow factor in

everything it does. This may be because I am new to Mac, but I am lovi

In [44]:

```
import pandas as pd
```

In [45]:

```
df=pd.DataFrame()
df["Customer_Name"]=cust_name
df["Rating"]=cust_star
df["Review"]=cust_review
df["Comment"]=cust_comment
```

In [46]:

```
df
```

Out[46]:

	Customer_Name	Rating	Review	Comment
0	Abhishek Kharkwal	5	Flash ⚡ ⚡ ⚡ ⚡ ⚡ First of all, thankyou Flipkart for ...	Perfect product!
1	Himanshu Raj	5	Awesome product I just switch from windows to ...	Super!
2	Ashwin N	5	After using Windows OS for 23+ years and almos...	Highly recommended
3	Tanay Shandilya	5	Writing this after a week of purchase. I canno...	Awesome
4	Naveen Reddy	5	The one powerful machine u will need forever.....	Terrific purchase
5	Hardik Mathur	5	People will tell you how buying a windows lapt...	Terrific purchase
6	Siddharth Fadnis	5	Excellent product. No review necessary, just l...	Terrific beast for a computer
7	Sandhya Mohan rangan	5	Awesome experience. The delivery was very quic...	Simply awesome
8	Ram Sheoran	5	Great product, sincere thanks to Flipkart and ...	Terrific
9	Logeshkumar Gandhi	5	The delivery was done before estimated date. T...	Great product

In [47]:

```
df.to_csv("Macbook.csv", index=False)
```

In [48]:

```
df1=pd.read_csv("Macbook.csv")
```

In [49]:

df1

Out[49]:

	Customer_Name	Rating	Review	Comment
0	Abhishek Kharkwal	5	Flash ⚡ ⚡ ⚡ ⚡ ⚡ First of all, thankyou Flipkart for ...	Perfect product!
1	Himanshu Raj	5	Awesome product I just switch from windows to ...	Super!
2	Ashwin N	5	After using Windows OS for 23+ years and almos...	Highly recommended
3	Tanay Shandilya	5	Writing this after a week of purchase. I canno...	Awesome
4	Naveen Reddy	5	The one powerful machine u will need forever.....	Terrific purchase
5	Hardik Mathur	5	People will tell you how buying a windows lapt...	Terrific purchase
6	Siddharth Fadnis	5	Excellent product. No review necessary, just l...	Terrific beast for a computer
7	Sandhya Mohan rangan	5	Awesome experience. The delivery was very quic...	Simply awesome
8	Ram Sheoran	5	Great product, sincere thanks to Flipkart and ...	Terrific
9	Logeshkumar Gandhi	5	The delivery was done before estimated date. T...	Great product

In []: