```
In [4]:   import requests
          from bs4 import BeautifulSoup as bs
          from urllib.request import urlopen as uReq
          import logging
```

```
In [23]:  flipcart_url = "https://www.flipkart.com/search?q=" + "iphone11"
```

```
In [24]:  flipcart_url
```

Out[24]: 'https://www.flipkart.com/search?q=iphone11'

```
In [25]:  urlclient = uReq(flipcart_url)
```

```
In [26]:  urlclient
```

Out[26]: <http.client.HTTPResponse at 0x2a6c81e9960>

```
In [27]:  flipcart_page = urlclient.read()
```

```
In [28]:   flipcart_page
```

Out[28]:   b'<!doctype html><html lang="en"><head><link href="https://rukminim1.flixcart.com" rel="preconnect"/><link re
l="stylesheet" href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app_modules.chunk.905c
37.css"/><link rel="stylesheet" href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app.c
hunk.914d0a.css"/><meta http-equiv="Content-type" content="text/html; charset=utf-8"/><meta http-equiv="X-UA-
Compatible" content="IE=Edge"/><meta property="fb:page_id" content="102988293558"/><meta property="fb:admins"
content="658873552,624500995,100000233612389"/><meta name="robots" content="noodp"/><link rel="shortcut icon"
href="https:///www/promos/new/20150528-140547-favicon-retina.ico"/><link type="application/opensearchdescript
ion+xml" rel="search" href="/osdd.xml?v=2"/><meta property="og:type" content="website"/><meta name="og_site_n
ame" 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-72x72.png"/><link r
el="apple-touch-icon" sizes="114x114" href="/apple-touch-icon-114x114.png"/><link rel="apple-touch-icon" size
s="144x144" href="/apple-touch-icon-144x144.png"/><link rel="apple-touch-icon" href="/apple-touch-icon-57x57.
png"/><meta name="twitter:card" content="app"><meta name="twitter:site" content="@flipkart"><meta name="twitt
er:creator" content="@flipkart"><meta name="twitter:title" content="Iphone11- Buy Products Online at Best Pri
ce in India - All Categories | Flipkart.com"><meta name="twitter:description" content="Shop for electronics,
apparels & more using our Flipkart app Free shipping & COD."><meta name="twitter:app:country" content="in"><m
eta name="al:ios:app_name" content="Flipkart"><meta name="al:ios:app_store_id" content="742044692"><meta name
="twitter:app:name:iphone" content="Flipkart"><meta name="twitter:app:id:iphone" content="742044692"><meta na
me="twitter:app:url:iphone" content="http://dl.flipkart.com/dl/home?"><meta name="twitter:app:name:ipad" cont

```
In [30]:   flipcarthtml = bs(flipcart_page,'html.parser')
```

```
In [31]: flipcarthtml
```

Out[31]: <!DOCTYPE html>
<html lang="en"><head><link href="https://rukminim1.flixcart.com" rel="preconnect"/><link href="//static-asse
ts-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app_modules.chunk.905c37.css" rel="stylesheet"/><link hr
ef="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app.chunk.914d0a.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="658873552,624500995,10000023
3612389" property="fb:admins"/><meta content="noodp" name="robots"/><link href="https:///www/promos/new/20150
528-140547-favicon-retina.ico" rel="shortcut icon"/><link href="/osdd.xml?v=2" rel="search" type="applicatio
n/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" size
s="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" re
l="apple-touch-icon" sizes="144x144"/><link href="/apple-touch-icon-57x57.png" rel="apple-touch-icon"/><meta
content="app" name="twitter:card"/><meta content="@flipkart" name="twitter:site"/><meta content="@flipkart" n
ame="twitter:creator"/><meta content="Iphone11- Buy Products Online at Best Price in India - All Categories |
Flipkart.com" name="twitter:title"/><meta content="Shop for electronics, apparels & more using our Flipka
rt app Free shipping & COD." name="twitter:description"/><meta content="in" name="twitter:app:country"/><
meta content="Flipkart" name="al:ios:app_name"/><meta content="742044692" name="al:ios:app_store_id"/><meta c
ontent="Flipkart" name="twitter:app:name:iphone"/><meta content="742044692" name="twitter:app:id:iphone"/><me

```
In [34]: "https://www.flipkart.com/"+"apple-iphone-11-white-128-gb/p/itme32df47ea6742?pid=MOBFWQ6B7KKRXDDS&li…EARCH&ppt=sp
```

Out[34]: 'https://www.flipkart.com/apple-iphone-11-white-128-gb/p/itme32df47ea6742?pid=MOBFWQ6B7KKRXDDS&li…EARCH&ppt=sp&p
pn=sp&ssid=9ksm58186o0000001685666119577&qH=d6db477051465f9a'

```
In [38]: bigbox = flipcarthtml.findAll("div" , {"class":"_1AtVbE col-12-12"})
```

```
In [39]: len(bigbox)
```

Out[39]: 30

```
In [48]:  bigbox[3].div.div.div.a['href']
```

Out[48]: '/apple-iphone-11-black-128-gb/p/itm8244e8d955aba?pid=MOBFWQ6BKRYBP5X8&lid=LSTMOBFWQ6BKRYBP5X8IBG6BS&marketplace
=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_2&otracker=search&fm=organic&iid=58393bce-3f4f-4ce6-bed6-ad41a0c54
732.MOBFWQ6BKRYBP5X8.SEARCH&ppt=None&ppn=None&ssid=icqkd2t2eo0000001685685339344&qH=d6db477051465f9a'

```
In [70]:  product_link = "https://www.flipkart.com" + bigbox[3].div.div.div.a['href']
```

```
In [56]:  del bigbox[0:3]
```

```
In [57]:  for i in bigbox:
              print("https://www.flipkart.com" + bigbox[3].div.div.div.a['href'])
```

https://www.flipkart.com/apple-iphone-11-purple-64-gb/p/itm2b8d03427ddac?pid=MOBFWQ6BTFFJKGKE&lid=LSTMOBFWQ6B
TFFJKGKEPGQVOJ&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_5&otracker=search&fm=organic&iid=5839
3bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BTFFJKGKE.SEARCH&ppt=None&ppn=None&ssid=icqkd2t2eo0000001685685339344
&qH=d6db477051465f9a (https://www.flipkart.com/apple-iphone-11-purple-64-gb/p/itm2b8d03427ddac?pid=MOBFWQ6BTF
FJKGKE&lid=LSTMOBFWQ6BTFFJKGKEPGQVOJ&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_5&otracker=sear
ch&fm=organic&iid=58393bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BTFFJKGKE.SEARCH&ppt=None&ppn=None&ssid=icqkd2t
2eo0000001685685339344&qH=d6db477051465f9a)
https://www.flipkart.com/apple-iphone-11-purple-64-gb/p/itm2b8d03427ddac?pid=MOBFWQ6BTFFJKGKE&lid=LSTMOBFWQ6B
TFFJKGKEPGQVOJ&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_5&otracker=search&fm=organic&iid=5839
3bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BTFFJKGKE.SEARCH&ppt=None&ppn=None&ssid=icqkd2t2eo0000001685685339344
&qH=d6db477051465f9a (https://www.flipkart.com/apple-iphone-11-purple-64-gb/p/itm2b8d03427ddac?pid=MOBFWQ6BTF
FJKGKE&lid=LSTMOBFWQ6BTFFJKGKEPGQVOJ&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_5&otracker=sear
ch&fm=organic&iid=58393bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BTFFJKGKE.SEARCH&ppt=None&ppn=None&ssid=icqkd2t
2eo0000001685685339344&qH=d6db477051465f9a)
https://www.flipkart.com/apple-iphone-11-purple-64-gb/p/itm2b8d03427ddac?pid=MOBFWQ6BTFFJKGKE&lid=LSTMOBFWQ6B
TFFJKGKEPGQVOJ&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_5&otracker=search&fm=organic&iid=5839
3bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BTFFJKGKE.SEARCH&ppt=None&ppn=None&ssid=icqkd2t2eo0000001685685339344
&qH=d6db477051465f9a (https://www.flipkart.com/apple-iphone-11-purple-64-gb/p/itm2b8d03427ddac?pid=MOBFWQ6BTF
FJKGKE&lid=LSTMOBFWQ6BTFFJKGKEPGQVOJ&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_5&otracker=sear

```
In [58]: for i in bigbox:
             print("https://www.flipkart.com" + i.div.div.div.a['href'])
```

https://www.flipkart.com/apple-iphone-11-black-128-gb/p/itm8244e8d955aba?pid=MOBFWQ6BKRYBP5X8&lid=LSTMOBFWQ6B
KRYBP5X8IBG6BS&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_2&otracker=search&fm=organic&iid=5839
3bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BKRYBP5X8.SEARCH&ppt=None&ppn=None&ssid=icqkd2t2eo0000001685685339344
&qH=d6db477051465f9a (https://www.flipkart.com/apple-iphone-11-black-128-gb/p/itm8244e8d955aba?pid=MOBFWQ6BKR
YBP5X8&lid=LSTMOBFWQ6BKRYBP5X8IBG6BS&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_2&otracker=sear
ch&fm=organic&iid=58393bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BKRYBP5X8.SEARCH&ppt=None&ppn=None&ssid=icqkd2t
2eo0000001685685339344&qH=d6db477051465f9a)
https://www.flipkart.com/apple-iphone-11-white-64-gb/p/itmfc6a7091eb20b?pid=MOBFWQ6BVWVEH3XE&lid=LSTMOBFWQ6BV
WVEH3XEMXQMLO&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_3&otracker=search&fm=organic&iid=58393
bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BVWVEH3XE.SEARCH&ppt=None&ppn=None&ssid=icqkd2t2eo0000001685685339344&
qH=d6db477051465f9a (https://www.flipkart.com/apple-iphone-11-white-64-gb/p/itmfc6a7091eb20b?pid=MOBFWQ6BVWVE
H3XE&lid=LSTMOBFWQ6BVWVEH3XEMXQMLO&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_3&otracker=search
&fm=organic&iid=58393bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BVWVEH3XE.SEARCH&ppt=None&ppn=None&ssid=icqkd2t2e
o0000001685685339344&qH=d6db477051465f9a)
https://www.flipkart.com/apple-iphone-11-black-64-gb/p/itm4e5041ba101fd?pid=MOBFWQ6BXGJCEYNY&lid=LSTMOBFWQ6BX
GJCEYNYZXSHRJ&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_4&otracker=search&fm=organic&iid=58393
bce-3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BXGJCEYNY.SEARCH&ppt=None&ppn=None&ssid=icqkd2t2eo0000001685685339344&
qH=d6db477051465f9a (https://www.flipkart.com/apple-iphone-11-black-64-gb/p/itm4e5041ba101fd?pid=MOBFWQ6BXGJC
EYNY&lid=LSTMOBFWQ6BXGJCEYNYZXSHRJ&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_4&otracker=search

```
In [71]: product_link
```

```
Out[71]: 'https://www.flipkart.com/apple-iphone-11-purple-64-gb/p/itm2b8d03427ddac?pid=MOBFWQ6BTFFJKGKE&lid=LSTMOBFWQ6BTF
         FJKGKEPGQVOJ&marketplace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_5&otracker=search&fm=organic&iid=58393bce-
         3f4f-4ce6-bed6-ad41a0c54732.MOBFWQ6BTFFJKGKE.SEARCH&ppt=None&ppn=None&ssid=icqkd2t2eo0000001685685339344&qH=d6db
         477051465f9a'
```

```
In [ ]:
```

```
In [61]: #phone details page 2nd page
```

```
In [72]:  product_req = requests.get(product_link)
```

```
In [75]:  product_html = bs(product_req.text,"html.parser")
```

```
In [76]:  product_html
```

```
Out[76]:  <!DOCTYPE html>
          <html lang="en"><head><link href="https://rukminim1.flixcart.com" rel="preconnect"/><link href="//static-asse
          ts-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app_modules.chunk.905c37.css" rel="stylesheet"/><link hr
          ef="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app.chunk.914d0a.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="658873552,624500995,10000023
          3612389" property="fb:admins"/><meta content="noodp" name="robots"/><link href="https:///www/promos/new/20150
          528-140547-favicon-retina.ico" rel="shortcut icon"/><link href="/osdd.xml?v=2" rel="search" type="applicatio
          n/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" size
          s="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" re
          l="apple-touch-icon" sizes="144x144"/><link href="/apple-touch-icon-57x57.png" rel="apple-touch-icon"/><meta
          content="app" name="twitter:card"/><meta content="@flipkart" name="twitter:site"/><meta content="@flipkart" n
          ame="twitter:creator"/><meta content="APPLE iPhone 11 ( 64 GB Storage, 0 GB RAM ) Online at Best Price On Fli
          pkart.com" name="twitter:title"/><meta content="Shop for electronics, apparels &amp; more using our Flipkart
          app Free shipping &amp; COD." name="twitter:description"/><meta content="http://rukmini1.flixcart.com/image/3
          00/300/k2jbyq80pkrrdj/mobile-refurbished/y/k/z/iphone-11-64-a-mwlx2hn-a-apple-0-original-imafkg24ymsjav9h.jpe
          g" property="twitter:image"><meta content="in" name="twitter:app:country"/><meta content="Flipkart" name="al:
```

```
In [79]:  comment_box = product_html.findAll("div",{"class" : "_16PBlm"})
```

```
In [80]:  len(comment_box)
```

```
Out[80]:  11
```

```
In [87]: comment_box[0].div.div.find_all('p',{"class":"_2sc7ZR _2V5EHH"})[0].text
```

Out[87]: 'Flipkart Customer'

```
In [90]: #get names
         for i in comment_box:
             print(i.div.div.find_all('p',{"class":"_2sc7ZR _2V5EHH"})[0].text)
```

```
Flipkart Customer
Flipkart Customer
Manish Raghuvanshi
Jimly  Gogoi
George Haokip
Vamshi  Chakrala
vijay hegde
Chirag Rajput
Vishal Dubey
Rahul Verma

---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In [90], line 3
      1 #get names
      2 for i in comment_box:
----> 3     print(i.div.div.find_all('p',{"class":"_2sc7ZR _2V5EHH"})[0].text)

AttributeError: 'NoneType' object has no attribute 'div'
```

In [ ]:

```
In [94]: #rating for one
         comment_box[0].div.div.div.div.text
```

Out[94]: '5'

```python
In [96]: #all rating
         for i in comment_box:
             print(i.div.div.div.div.text)
```

```
5
5
5
5
4
5
4
5
5
5
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In [96], line 3
      1 #all rating
      2 for i in comment_box:
----> 3     print(i.div.div.div.div.text)

AttributeError: 'NoneType' object has no attribute 'div'
```

```python
In [102]: #find one comment
          comment_box[0].div.div.div.find('p',{"class" : "_2-N8zT"}).text
```

```
Out[102]: 'Simply awesome'
```

```python
In [103]: #find all comments
```

```
In [105]:  for i in comment_box:
               print(i.div.div.div.find('p',{"class" : "_2-N8zT"}).text)
```

```
Simply awesome
Perfect product!
Best in the market!
Highly recommended
Value-for-money
Worth every penny
Pretty good
Perfect product!
Highly recommended
Great product
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In [105], line 2
      1 for i in comment_box:
----> 2     print(i.div.div.div.find('p',{"class" : "_2-N8zT"}).text)

AttributeError: 'NoneType' object has no attribute 'div'
```

```
In [ ]:
```

```
In [115]:  #find actual comment

           comment_box[0].div.div.find_all("div",{"class" : ""})[0].div.text
```

Out[115]: 'Really satisfied with the Product I received... It's totally genuine and the packaging was also really good so if ur planning to buy just go for it.'

```
In [117]: #find all actual comment

          for i in comment_box:
              print(i.div.div.find_all("div",{"class":""})[0].div.text)
```

Really satisfied with the Product I received... It's totally genuine and the packaging was also really good so i
f ur planning to buy just go for it.
Amazing phone with great cameras and better battery which gives you the best performance. I just love the camera
.
Great iPhone very snappy experience as apple kind. Upgraded from iPhone 7. Pros-Camera top class - Battery top p
erformed -Chipset no need to say as apple kind -Security as you expect from apple - Display super bright industr
y leading colour   accuracy and super responsive -Build quality as expect from apple sturdy premium durable bea
utiful stylish. -Os most stable os in smartphone industry Cons -No 5G-Display is not based on OLED technology -C
harger headphones and 1 apple stic...
It's my first time to use iOS phone and I am loving my upgradation 😍😍 I love the color, I love the assebility
of the phone....I need to learn more about its functionality, but as far as I have seen, it's quite easy and it
has a lot of functions to work on, specially if you are a content writer or a blogger you get a lot of content c
reation platforms and they are really amazing. This phone not only for good quality photography but a lot of oth
er task too.🤩💯
I'm Really happy with the productDelivery was fast as well..it was a gift for my sister and she loved it so muc
h.
Previously I was using one plus 3t it was a great phone And then I decided to upgrade I am stuck between Samsung
s10 plus or iPhone 11 I have seen the specs and everything were good except the display it's somewhere between 7
20-1080 and it's not even an amoled it's an LCD display But I decided to go with iPhone because I have never use
d an IOS device I have Been an android user from the past 9 years I ordered IPhone 11 (128gb) product redMy expe
rience after using 3 weeks 1. The delivery ...
I was using Iphone 6s and also Oneplus 6t. Both mobiles were perfectly alright in Photos, gaming, and smooth int
erface . My 6s mobile getting battery issue. thought upgrade to 11. Really like this mobile of its Internal stor
age (compare to 6s) , camera and its touch feeling. Its a worth buying mobile for me.
Value for money5 star rating Excellent cameraBattery backup full day in single charge.Tougher and water resistan
t design, glossy back.The screen has excellent brightness and contrast.Apple A13 Bionic is the fastest smartphon
e chip on the planet.Excellent battery life, fast charging support.Stereo speakers with great quality.
What a camera .....just awesome ..you can feel this iPhone just awesome . Good for gaming also ...try pubg in hd
it's just wow
Amazing Powerful and Durable Gadget.I'm am very happy with the camera picture quality, Amazing face id unlocked
in dark room, Strong battery with perfect screen size as you can carry easily in pocket. This is my third iPhon
e. I shifted from android Samsung Note series to iPhone because of the strong build quality and peace of mind fo
r next 3-4 years.Don't think to much just go for it and I suggest you to go for minimum 128gb variant or more 25
6gb. I've attached my puppy pics and no fi...

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In [117], line 4
      1 #find all actual comment
      3 for i in comment_box:
----> 4     print(i.div.div.find_all("div",{"class":""})[0].div.text)

AttributeError: 'NoneType' object has no attribute 'div'
```

In [ ]: