

Python Scrapping Project - Flipkart Product Review

1. go to a website
2. search for a respective product
3. locate review part
4. scrap all the data in local system

In [1]: `pip install flask_cors`

```
Requirement already satisfied: flask_cors in c:\users\user\anaconda3\lib\site-packages (3.0.10)
Requirement already satisfied: Six in c:\users\user\anaconda3\lib\site-packages (from flask_cors) (1.16.0)
Requirement already satisfied: Flask>=0.9 in c:\users\user\anaconda3\lib\site-packages (from flask_cors) (1.1.2)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\user\anaconda3\lib\site-packages (from Flask>=0.9->flask_cors) (2.11.3)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\user\anaconda3\lib\site-packages (from Flask>=0.9->flask_cors) (2.0.2)
Requirement already satisfied: click>=5.1 in c:\users\user\anaconda3\lib\site-packages (from Flask>=0.9->flask_cors) (8.0.3)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\user\anaconda3\lib\site-packages (from Flask>=0.9->flask_cors) (2.0.1)
Requirement already satisfied: colorama in c:\users\user\anaconda3\lib\site-packages (from click>=5.1->Flask>=0.9->flask_cors) (0.4.4)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\user\anaconda3\lib\site-packages (from Jinja2>=2.10.1->Flask>=0.9->flask_cors) (1.1.1)
Note: you may need to restart the kernel to use updated packages.
```

In [2]: `# import libraries`
`from flask import Flask, render_template, request, jsonify`
`from flask_cors import CORS, cross_origin`
`import requests`
BeautifulSoup is a Python library that is used for web scraping purposes to pull the data out of HTML and XML files
`from bs4 import BeautifulSoup as bs`
urlopen is a library to open any url
`from urllib.request import urlopen as uReq`

In [3]: *# We Can search the product here eg. Samsung, iphone*
make changes according to our requirement, we choose iphone
`flipkart_url = "https://www.flipkart.com/search?q=" + "iphone"`

```
In [4]: # We will get flipkart url to search for the particular product we added in the previous line
flipkart_url
```

```
Out[4]: 'https://www.flipkart.com/search?q=iphone'
```

```
In [5]: # open up the url
uClient = uReq(flipkart_url)
```

```
In [6]: # when we pass some url request we get http request
# if the url is wrong, will not able to pull out and get error
uClient
```

```
Out[6]: <http.client.HTTPResponse at 0x14d76fc9790>
```

```
In [7]: # read all the html and css information
flipkartPage = uClient.read()
```

```
In [8]: flipkartPage
```

```
Out[8]: b'<!doctype html><html lang="en"><head><link href="https://rukminim1.flixcart.com" rel="preconnect"/><link rel="stylesheet" href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app_modules.chunk.905c37.css"/><link rel="stylesheet" href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/app.chunk.116d54.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://static-assets-web.flixcart.com/www/promos/new/20150528-140547-favicon-retina.ico"/><link type="application/opensearchdescription+xml" rel="search" href="/osdd.xml?v=2"/><meta property="og:type" content="website"/><meta name="og_site_name" 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 rel="apple-touch-icon" sizes="114x114" href="/apple-touch-icon-114x114.png"/><link rel="apple-touch-icon" sizes="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="twitter:creator" content="@flipkart"><meta name="twitter:title" content="Iphone- Buy Products Online at Best Price 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"><meta 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 name="twitter:app:url:iphone" content="http://dl.flipkart.com/dl/home?"><meta name="twitter:app:name:ipad" content="Flipkart"><meta name="twitter:app:id:ipad" content="742044692"><meta name="twitter:app:url:ipad" content="http://dl.flipkart.com/dl/home?"><meta name="twitter:app:name:googleplay" content="Flipkart"><meta name="twitter:app:id:googleplay" content="com.flipkart.android"><meta name="twitter:app:url:googleplay" content="http://play.google.com/store/apps/details?id=com.flipkart.android"></head><body></body></html>'
```

```
In [9]: # close this unable to read because not in structured format
uClient.close()
```

```
In [10]: # calling BeautifulSoup(bs) for reading the page. Because BeautifulSoup make this page more readable
flipkart_html = bs(flipkartPage, "html.parser")
```

```
In [11]: # Comparing the above output, this is much better and little bit structured
flipkart_html
```

```
Out[11]: <!DOCTYPE html>
<html lang="en"><head><link href="https://rukminim1.flixcart.com" rel="preconnect"/><link href="//static-assets-web.flixcart.c
om/fk-p-linchpin-web/fk-cp-zion/css/app_modules.chunk.905c37.css" rel="stylesheet"/><link href="//static-assets-web.flixcart.c
om/fk-p-linchpin-web/fk-cp-zion/css/app.chunk.116d54.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:admins"/><meta content="noodp" name="robots"/><link href="http
s://static-assets-web.flixcart.com/www/promos/new/20150528-140547-favicon-retina.ico" rel="shortcut icon"/><link href="/osdd.x
ml?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" s
izes="57x57"/><link href="/apple-touch-icon-72x72.png" rel="apple-touch-icon" sizes="72x72"/><link href="/apple-touch-icon-114
x114.png" rel="apple-touch-icon" sizes="114x114"/><link href="/apple-touch-icon-144x144.png" rel="apple-touch-icon" sizes="144
x144"/><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" name="twitter:creator"/><meta content="Iphone- Buy Products Online
at Best Price in India - All Categories | Flipkart.com" name="twitter:title"/><meta content="Shop for electronics, apparels &
mp; more using our Flipkart app Free shipping & COD." name="twitter:description"/><meta content="in" name="twitter:app:cou
ntry"/><meta content="Flipkart" name="al:ios:app_name"/><meta content="742044692" name="al:ios:app_store_id"/><meta content="F
lipkart" name="twitter:app:name:iphone"/><meta content="742044692" name="twitter:app:id:iphone"/><meta content="http://dl.flip
kart.com/dl/home?" name="twitter:app:url:iphone"/><meta content="Flipkart" name="twitter:app:name:ipad"/><meta content="742044
692" name="twitter:app:id:ipad"/><meta content="http://dl.flipkart.com/dl/home?" name="twitter:app:url:ipad"/><meta content="F
```

```
In [12]: # find all is a method inside BeautifulSoup to search for class
# all the products have div tags which are same throughout the page
# for a particular website, it will be same for different boxes of different products
# informations will be available as List format
flipkart_html.findAll("div", {"class": "_1AtVbE col-12-12"})
```

[illegible]

```
In [13]: # Check number of product using length because class id will be same for same segment. So can check number of product in a page.
len(flipkart_html.findAll("div", {"class": "_1AtVbE col-12-12"}))
```

Out[13]: 30

```
In [14]: # 45 bigboxes are available
bigboxes = flipkart_html.findAll("div", {"class": "_1AtVbE col-12-12"})
```

```
In [15]: # Loop through bigboxes
          # check all bigboxes
          for i in bigboxes:
              print(i)
```

```
<div class="_1AtVbE col-12-12"><div class="_1K0cBL"><section class="JWM10H _2hbLCH"><div class="_2ssEMF"><div class="_3V8rao">
<span>Filters</span></div></div></section><div class="_2q_g77"><section class="_2aDURW"><div class="_2lfNTw"><span>CATEGORIES
</span></div><div><div class="TB_InB"><span><svg class="_2Iqv73" height="10" viewBox="0 0 16 27" width="10" xmlns="http://www.
w3.org/2000/svg"><path class="_3zK8He" d="M16 23.207L6.11 13.161 16 3.093 12.955 0 0 13.161L12.955 13.161z" fill="#fff"></path
</svg></span><a class="_2qvBBJ _2Mji8F" href="/mobiles-accessories/pr?sid=tyy&q=iphone&otracker=categorytree" title
="Mobiles & Accessories">Mobiles & Accessories</a></div></div><div><div class="TB_InB"><span><svg class="_2Iqv73" heig
ht="10" viewBox="0 0 16 27" width="10" xmlns="http://www.w3.org/2000/svg"><path class="" d="M16 23.207L6.11 13.161 16 3.093 1
2.955 0 0 13.161L12.955 13.161z" fill="#fff"></path></svg></span><a class="_1jJQdf _2Mji8F" href="/mobiles/pr?sid=tyy,4io&
q=iphone&otracker=categorytree" title="Mobiles">Mobiles</a></div></div></section></div><section class="_2yz7eI _2hbLCH"><d
iv class="_3KxRU6 _2ssEMF"><div class="UR1L2I _3V8rao"><span>Price</span></div></div><div class="_2NBiOm"><div class="_1nneZ
0"><div class="_2TbXIJ" style="height:0;width:0"></div><div class="_2TbXIJ" style="height:0;width:0"></div><div class="_2TbXI
J" style="height:0;width:0"></div><div class="_2TbXIJ" style="height:0;width:0"></div><div class="_2TbXIJ" style="height:0;wid
th:0"></div></div></div><div class="_2r34SG"><div class="_12FhcQ"><div class="_31Kbhn _28DFQy"><div class="_3FdLqY"></div></di
v><div class="_31Kbhn WC_zGJ"><div class="_3FdLqY"></div></div><div class="_2IN3-t"></div><div class="_2IN3-t _1mRwrD"></div>
</div><div class="_15GU70"><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedp
x">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div cla
ss="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style
="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedp
x">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div cla
```

```
In [16]: # details of first product in the page
bigboxes[0]
```

```
Out[16]: <div class="_1AtVbE col-12-12"><div class="_1K0cBL"><section class="JWMl0H_2hbLCH"><div class="_2ssEMF"><div class="_3V8rao">  
<span>Filters</span></div></div></section><div class="_2q_g77"><section class="_2aDURW"><div class="_2lfNTw"><span>CATEGORIES  
</span></div><div><div class="TB_InB"><span><svg class="_2Iqv73" height="10" viewBox="0 0 16 27" width="10" xmlns="http://www.  
w3.org/2000/svg"><path class="_3zK8He" d="M16 23.207L6.11 13.161 16 3.093 12.955 0 0 13.161 12.955 13.161z" fill="#fff"></path  
></svg></span><a class="_2qvBBJ _2Mji8F" href="/mobiles-accessories/pr?sid=tyy&q=iphone&otracker=categorytree" title  
="Mobiles & Accessories">Mobiles & Accessories</a></div></div><div><div class="TB_InB"><span><svg class="_2Iqv73" heig  
ht="10" viewBox="0 0 16 27" width="10" xmlns="http://www.w3.org/2000/svg"><path class="" d="M16 23.207L6.11 13.161 16 3.093 1  
2.955 0 0 13.161 12.955 13.161z" fill="#fff"></path></svg></span><a class="_1jJQdf _2Mji8F" href="/mobiles/pr?sid=tyy,4io&  
q=iphone&otracker=categorytree" title="Mobiles">Mobiles</a></div></div></section></div><section class="_2yz7eI_2hbLCH"><d  
iv class="_3KxRU6_2ssEMF"><div class="UR1L2I_3V8rao"><span>Price</span></div></div><div class="_2NBiOm"><div class="_1nneZ  
0"><div class="_2TbXIJ" style="height:0;width:0"></div><div class="_2TbXIJ" style="height:0;width:0"></div><div class="_2TbXI  
J" style="height:0;width:0"></div><div class="_2TbXIJ" style="height:0;width:0"></div><div class="_2TbXIJ" style="height:0;wid  
th:0"></div></div></div><div class="_2r34SG"><div class="_12FhcQ"><div class="_31Kbhn_28DFQy"><div class="_3FdLqY"></div></di  
v><div class="_31Kbhn WC_zGJ"><div class="_3FdLqY"></div></div><div class="_2IN3-t"></div><div class="_2IN3-t_1mRwrD"></div>  
</div><div class="_15GU70"><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedp  
x">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div cla  
ss="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style  
="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedp  
x">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div cla
```

```
In [17]: box = bigboxes[0]
```

```
<div class="_1AtVbE col-12-12"><div class="_1KOcBL"><section class="JWMl0H _2hbLCH"><div class="_2ssEMF"><div class="_3V8rao">  
<span>Filters</span></div></div></section><div class="_2q_g77"><section class="_2aDURW"><div class="_2lfNTw"><span>CATEGORIES  
</span></div><div><div class="TB_InB"><span><svg class="_2Iqv73" height="10" viewBox="0 0 16 27" width="10" xmlns="http://www.  
w3.org/2000/svg"><path class="_3zK8He" d="M16 23.207L6.11 13.161 16 3.093 12.955 0 0 13.161l12.955 13.161z" fill="#fff"></path  
></svg></span><a class="_2qvBBJ _2Mji8F" href="/mobiles-accessories/pr?sid=tyy&q=iphone&otracker=categorytree" title  
="Mobiles & Accessories">Mobiles & Accessories</a></div></div><div><div class="TB_InB"><span><svg class="_2Iqv73" heig  
ht="10" viewBox="0 0 16 27" width="10" xmlns="http://www.w3.org/2000/svg"><path class="" d="M16 23.207L6.11 13.161 16 3.093 1  
2.955 0 0 13.161l12.955 13.161z" fill="#fff"></path></svg></span><a class="_1jJQdf _2Mji8F" href="/mobiles/pr?sid=tyy,4io&q=  
iphone&otracker=categorytree" title="Mobiles">Mobiles</a></div></div></section></div><section class="_2yz7eI _2hbLCH"><d  
iv class="_3KxRU6 _2ssEMF"><div class="UR1L2I _3V8rao"><span>Price</span></div></div><div class="_2NBiOm"><div class="_1nneZ  
0"><div class="_2TbXIJ" style="height:0;width:0"></div><div class="_2TbXIJ" style="height:0;width:0"></div><div class="_2TbXI  
J" style="height:0;width:0"></div><div class="_2TbXIJ" style="height:0;width:0"></div><div class="_2TbXIJ" style="height:0;wid  
th:0"></div></div></div><div class="_2r34SG"><div class="_12FhcQ"><div class="_31Kbhn _28DFQy"><div class="_3FdLqY"></div></di  
v><div class="_31Kbhn WC_zGJ"><div class="_3FdLqY"></div></div><div class="_2IN3-t"></div><div class="_2IN3-t _1mRwrD"></div>  
</div><div class="_15GU70"><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedp  
x">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div cla  
ss="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style  
="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedp  
x">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div class="_1ftpgI" style="width:undefinedpx">.</div><div cla
```

```
len(bigboxes)
```

```
# delete first 3 boxes
del bigboxes[0:3]
```



```
bigboxes[0]
```

div class="_1AtVbE col-12-12">div class="_13oc-S">div data-id="MOBG6VF5SMXPNQHG" style="width:100%">div class="_2kHMTA">a class="_1fQZEK" href="/apple-iphone-13-blue-128-gb/p/itm6c601e0a58b3c?pid=MOBG6VF5SMXPNQHG&lid=LSTMOBG6VF5SMXPNQHGL5FN51&marketplace=FLIPKART&q=iphone&store=tyy%2F4io&srno=s_1_2&otracker=search&fm=organic&iid=bc5c7ee5-830b-43ce-9246-aa0029f99c76.MOBG6VF5SMXPNQHG.SEARCH&ppt=None&ppn=None&ssid=bsxfyaju4g0000001659379587201&qH=0b3f45b266a97d70" rel="noopener noreferrer" target="_blank">div class="MIXNux">div class="_2QcLo-">div>div class="CXW8mj" style="height:200px;width:200px">img alt="APPLE iPhone 13 (Blue, 128 GB)" class="_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/ktketu80/mobile/2/y/o/iphone-13-mlpk3hn-a-apple-original-imag6vpyur6hjngg.jpeg?q=70"/>div>div>div>div class="_3wLduG">div class="_3PzNI-">span class="f3A4_V">label class="_2iDkf8">input class="_30VH1S" readonly="" type="checkbox"/>div class="_24_Dny">div>/label>/span>label class="_6Up2sF">span>Add to Compare</label></div></div>div class="_2hVSre_3nq8ih">div class="_36FSn5">svg class="_1l0elc" height="16" viewBox="0 0 20 16" width="16" xmlns="http://www.w3.org/2000/svg">path class="eX72wL" d="M8.695 16.682C4.06 12.382 1 9.536 1 6.065 1 3.219 3.178 1 5.95 1c1.566 0 3.069.746 4.05 1.915C10.981 1.745 12.484 1 14.05 1 16.822 1 19 3.22 19 6.065c0 3.471-3.06 6.316-7.695 10.617L10 17.897l-1.305-1.215z" fill="#2874F0" fill-rule="evenodd" opacity=".9" stroke="#FFF">/path>/svg>/div>div>div>div class="_3pLy-c row">div class="col col-7-12">div class="_4rR01T">APPLE iPhone 13 (Blue, 128 GB)</div>div class="gUuXy-">span class="_1lRcqv" id="productRating_LSTMOBG6VF5SMXPNQHGL5FN51_MOBG6VF5SMXPNQHG">div class="_3LWZlK">4.6/div>/span>span class="_2_R_DZ">span>8,878 Ratings span class="_13vcmD">&span> 863 Reviews</div>div class="fMghEO">ul class="_1xgFaf">li class="rgWa7D">128 GB ROMli class="rgWa7D">15.49 cm (6.1 inch) Super Retina XDR Displayli class="rgWa7D">12MP + 12MP | 12MP Front Camerali class="rgWa7D">A15 Bionic Chip Processorli class="rgWa7D">Brand Warranty for 1 Year</div>div class="col col-5-12 nLI3QM">div class="_3tbKJL">div class="_25b18c">div class="_30jeq3_1_WHN1">₹73,909</div>div class="_3I9_wc_27UcVY">₹<!-- -->79,900</div>div class="_3Ay6Sb">span>7% off</div>div class="_3tcB5a_p8ucoS">div>div class="_2Tpdn3" style="color:#000000;font-size:12px;font-weight:400">Free delivery</div></div>div>div class="_13J9qT">img height="21" src="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/img/fa_62673a.png"/>div>div class="_2ZdXDB">div class="_3xFhiH">div class="_2Tpdn3_18hQoS" style="color:#000000;font-size:14px;font-style:normal;font-weight:400">Upto </div>div class="_2Tpdn3_18hQoS" style="color:#000000;font-size:14px;font-style:normal;font-weight:700">₹19,000</div>div class="_2Tpdn3_18hQoS" style="color:#000000;font-size:14px;font-style:normal;font-weight:400"> Off on Exchange</div></div>div>div class="_2ZdXDB">div class="_3xFhiH">div class="_2Tpdn3_18hQoS" style="color:#26A541;font-size:14px;font-weight:700">Bank Offer</div></div>div>div>div>div>/a>/div>div>div>div>

```
# select box 4, we have deleted 3
box = bigboxes[0]
```

```
# Extract the url
# we have key and value
# from a, we are giving href as key, then we get value
box.div.div.div.a['href']
```

'/apple-iphone-13-blue-128-gb/p/itm6c601e0a58b3c?pid=MOBG6VF5SMXPNQHG&lid=LSTM0BG6VF5SMXPNQHGL5FN51&marketplace=FLIPKART&q=iphone
&store=tyy%2F4io&srno=s_1_2&otracker=search&fm=organic&iid=bc5c7ee5-830b-43ce-9246-aa0029f99c76.M0BG6VF5SMXPNQHG.SEARCH&ppt=None&
ppn=None&ssid=bsxfyaju4g0000001659379587201&qH=0b3f45b266a97d70'


```
In [24]: # add the extracted link with website link
productLink = "https://www.flipkart.com" + box.div.div.div.a['href']
```

```
In [25]: # below link guides to product page
productLink
```

```
Out[25]: 'https://www.flipkart.com/apple-iphone-13-blue-128-gb/p/itm6c601e0a58b3c?pid=MOBG6VF5SMXPNGHG&lid=LSTM0BG6VF5SMXPNGHGL5FN51&marke
tplace=FLIPKART&q=iphone&store=tyy%2F4io&srno=s_1_2&otracker=search&fm=organic&iid=bc5c7ee5-830b-43ce-9246-aa0029f99c76.M0BG6VF5S
MXPNGHG.SEARCH&ppt=None&ppn=None&ssid=bsxfyaju4g0000001659379587201&qH=0b3f45b266a97d70'
```

```
In [26]: # Reviews
prodRes = requests.get(productLink)
```

```
In [27]: prodRes
```

```
Out[27]: <Response [200]>
```

```
In [28]: prodRes.encoding='utf-8'
```

```
In [29]: #scrap everything in that product page
prod_html = bs(prodRes.text, "html.parser")
```

In [30]: prod_html

Out[30]: <!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.116d54.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: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="@flipkart" name="twitter:site"/><meta content="@flipkart" name="twitter:creator"/><meta content="iPhone 13 (128 GB GB Storage, Blue) Online at Best Price On Flipkart.com" name="twitter:title"/><meta content="Shop for electronics, apparels & more using our Flipkart app Free shipping & COD." name="twitter:description"/><meta content="http://rukmini1.flixcart.com/image/300/300/ktketu80/mobile/2/y/o/iphone-13-mlpk3hn-a-apple-original-image6vpyur6hjngg.jpeg" property="twitter:image"><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 content="Flipkart" name="twitter:app:name:iphone"/><meta content="742044692" name="twitter:app:id:iphone"/><meta content="http://dl.flipkart.com/dl/home?" name="twitter:app:url:iphone"/><meta content="Flipkart" name="twitter:app:nam

In [31]: *#find the class responsible for review and get the data*
commentboxes = prod_html.find_all('div', {'class': "_16PB1m"})

commentboxes

<div class="_16PBlm"><div class="col"><div class="col _2wzGFH"><div class="row"><div class=_3LWZLK_1BLPMq">B99o" src="" /></div><p class="_2-N8zt">Brilliant</p></div><div class="row"><div class="t-ZTK y"><div><div class="">I switch to ios from android after 10 years so this review might help for migrators

It's been a month using the iPhone13 and this was my experience

1. Design - its simple and no nonsense design . Expect white and pink rest of the colours are fingerprint magnets. I have seen all the colours and I highly recommend the pink . It's so light pink which makes it not girlish. See it for yourself it really looks so premium in light pink colour.

For rest of it except white the aluminium frame wil...</div>READ MORE</div></div></div><div class = "_2nMSwX _3oLIki"><div class="_2lyjFX _2A07HP" style="background-image:url(https://rukminim1.flixcart.com/blobio/124/124/imr-202206/blobio-imr-202206_9c3c87b1a0cc484d85773a2a7a31b865.jpeg?q=90), url( jAyLjAjazLS4wnNi4WNiOuMDguMDhIMLYylJA4TDIUmdggMmgxNy44M2MuMDMuMDIUMDYUMDYUmDGumDH2MTmuODRMjb6Bi8+PHBhdGggZD0ITTEwIDEyLjUXTDCUNSA5LjUgNCAxNggxNGwtNC41LTZ6ii8+PC9nPjwc3ZnPg==);width:62px;height:62px"></div><div class="_2lyjFX _2A07HP" style="background-image:url(https://rukminim1.flixcart.com/blobio/124/124/imr-202206/blobio-imr-202206_224263feea454676b5382be330f09ef9.jpeg?q=90), url( jAyLjAjazLS4wnNi4WNiOuMDguMDhIMLYylJA4TDIUmdggMmgxNy44M2MuMDMuMDIUMDYUMDYUmDGumDH2MTmuODRMjb6Bi8+PHBhdGggZD0ITTEwIDEyLjUXTDCUNSA5LjUgNCAxNggxNGwtNC41LTZ6ii8+PC9nPjwc3ZnPg==)</div>

```
# number of comments
len(commentboxes)
```

```
In [34]: # select zeroth comment to understand the comments
commentboxes[0]
```

```
Out[34]: <div class="_16PB1m"><div class="col"><div class="col _2wzgFH"><div class="row"><div class="_3LWZ1K _1BLPMq">5</div><p class="_2-N8zT">Brilliant</p></div><div class="row"><div class="t-ZTK
y"><div><div class="">I switch to ios from android after 10 years so this review might help for migrators<br><br>It's been a
month using the iPhone13 and this was my experience<br><br>1. Design - its simple and no nonsense design . Expect white and
pink rest of the colours are fingerprint magnets. I have seen all the colours and I highly recommend the pink . It's so light
pink which makes it not girlish. See it for yourself it really looks so premium in light pink colour. <br><br>For rest of it
except white the aluminium frame wil...</div><span class="_1BWGvX"><span>READ MORE</span></span></div></div></div><div class
="_2nMSwX _3oLIki"><div class="_21YjFX _2A07HP" style="background-image:url(https://rukminim1.flixcart.com/blobio/124/124/imr-
202206/blobio-imr-202206_9c3c87b1a0cc484d85773a2a7a31b865.jpeg?q=90), url(
dodD0iMTgiIHhtbG5zPSJodHRwOi8vd3d3LnczLm9yZy8yMDAwL3N2ZyI+PGcgZmlsbD0iIzleOUQ5RCIgZmlsbC1ydWx1PSJub256ZXJvIj48cGF0aCBkPSJNMjAg
MEgyQzEgMCAwIDEgMCAydjE0YzAgMS4xLjkgMi4yMy45NC00LjI2LTMuMjEtMi44ODMgNC4yNTQtLjQwNEw2LjUuMTEyYkE0NjkgNC4wMSA0LjI1NC40
MDQtMy4yMSAyLjg4Mi45NCA0LjI2eiIvPjwvc3ZnPg==" );width:62px;height:62px"></div><div class="_21YjFX _2A07HP" style="background-image:url(https://rukminim1.fli
xcart.com/blobio/124/124/imr-202206/blobio-imr-202206_224263feea454676b5382be330f09ef9.jpeg?q=90), url(data:image/svg+xml;base
64,PHN2ZyB3aWR0aD0iMjIiIGhlaWdodD0iMTgiIHhtbG5zPSJodHRwOi8vd3d3LnczLm9yZy8yMDAwL3N2ZyI+PGcgZmlsbD0iIzleOUQ5RCIgZmlsbC1ydWx1PSJ
ub256ZXJvIj48cGF0aCBkPSJNMjAgMEgyQzEgMCAwIDEgMCAydjE0YzAgMS4xLjkgMi4yMy45NC00LjI2LTMuMjEtMi44ODMgNC4yNTQtLjQwNEw2LjUuMTEyYkE0NjkgNC4wMSA0LjI1NC40
MDQtMy4yMSAyLjg4Mi45NCA0LjI2eiIvPjwvc3ZnPg==" );width:62px;height:62px"></div><div class="_21YjFX _2A07HP" style="background-im
age:url(https://rukminim1.flixcart.com/blobio/124/124/imr-202206/blobio-imr-202206_518fa19cee054356a5296b8b29763388.jpeg?q=9
0), url(
bD0iIzleOUQ5RCIgZmlsbC1ydWx1PSJub256ZXJvIj48cGF0aCBkPSJNMjAgMEgyQzEgMCAwIDEgMCAydjE0YzAgMS4xLjkgMi4yMy45NC00LjI2LTMuMjEtMi44ODMgNC4yNTQtLjQwNEw2LjUuMTEyYkE0NjkgNC4wMSA0LjI1NC40
MDQtMy4yMSAyLjg4Mi45NCA0LjI2eiIvPjwvc3ZnPg==" );width:62px;height:62px"></div><div class="_21YjF
X _2A07HP" style="background-image:url(https://rukminim1.flixcart.com/blobio/124/124/imr-202206/blobio-imr-202206_f739beffcb43
4ef78b313767d88f43d1.jpeg?q=90), url(
zLm9yZy8yMDAwL3N2ZyI+PGcgZmlsbD0iIzleOUQ5RCIgZmlsbC1ydWx1PSJub256ZXJvIj48cGF0aCBkPSJNMjAgMEgyQzEgMCAwIDEgMCAydjE0YzAgMS4xLjkgM
i4yIDJoMThjMSAwIDItMSAyLTJwMmMwLTETMS0yLTItMnptMCAxNS45MmMtLjAyLjAzLS4wNi4wNi0uMDguMDhIMlYyLjA4TDIuMDggMmgxNy44M2MuMDMuMDIuMDYuMDYuMDguMDh2MTMuODRIMjB6Ii8+PHBhdGggZD0iITTEwIDEyLjUxTDcuNSA5LjUgNCAXNGgxNGwtNC41LTZ6Ii8+PC9nPjwvc3ZnPg==" );width:62px;height:6
2px"></div></div><div class="row _3n8db9"><div class="row"><p class="_2sc7ZR _2V5EHH">Mahim Chauhan</p><svg class="_2a1p_T" he
ight="14" viewBox="0 0 12 12" width="14" xmlns="http://www.w3.org/2000/svg"><g><circle cx="6" cy="6" fill="#878787" r="6"></ci
rcle><path d="M3 6l2 2 4-4" fill="#878787" stroke="#FFF" stroke-width="1.5"></path></g></svg><p class="_2mcZGG" id="review-f54
6ce70-be67-43bc-8740-557c784104ca"><span>Certified Buyer</span><span>, Vadodara</span></p><div></div><p class="_2sc7ZR">1month
ago</p></div><div class="_1e9_Zu"><div class="row"><div class="_27aTs5"><div class="_1LmwT9"><svg class="skCrcq" height="15" w
idth="20" xmlns="http://www.w3.org/2000/svg"><path class="_1Lit4y" d="M9.58.006c-.41.043-.794.32-1.01.728-.277.557-2.334 4.693
-2.74 5.1-.41.407-.944.6-1.544.6v8.572h7.5c.45 0 .835-.28 1.007-.665 0 0 2.207-6.234 2.207-6.834 0-.6-.47-1.072-1.07-1.072h-3.
216c-.6 0-1.07-.535-1.07-1.07 0-.537.835-3.387 1.006-3.944.17-.557-.107-1.157-.664-1.35-.15-.043-.257-.086-.407-.064zM0 6.434v
8.572h2.143V6.434H0z" fill="#fff" fill-rule="evenodd"></path></svg><span class="_3c3Px5">905</span></div><div class="_1LmwT9 p
kR4jH"><svg class="skCrcq pkR4jH" height="15" width="20" xmlns="http://www.w3.org/2000/svg"><path class="_1Lit4y" d="M9.58.006
c-.41.043-.794.32-1.01.728-.277.557-2.334 4.693-2.74 5.1-.41.407-.944.6-1.544.6v8.572h7.5c.45 0 .835-.28 1.007-.665 0 0 2.207-
6.234 2.207-6.834 0-.6-.47-1.072-1.07-1.072h-3.216c-.6 0-1.07-.535-1.07-1.07 0-.537.835-3.387 1.006-3.944.17-.557-.107-1.157-.

```

664-1.35-.15-.043-.257-.086-.407-.064zM0 6.434v8.572h2.143V6.434H0z" fill="#fff" fill-rule="evenodd"></path></svg><span class
="_3c3Px5">74</div></div><div class="_2bmov8"><svg class="_2UvOBb" height="11" viewBox="0 0 16 27" width="6" xmlns="htt
p://www.w3.org/2000/svg"><path class="_2aPE6f" d="M16 23.207L6.11 13.161 16 3.093 12.955 0 0 13.161l12.955 13.161z" fill="#ff
f"></path></svg><div class="_3E8aI1 _38dCuf"><div class="_3XCI6U"><spa
n>Permalink</div><div class="_3XCI6U _2b2z-j">Report Abuse</div></div></div></div></div></div></div>
</div>

```
In [35]: # Reachout the particular segment
commentboxes[0].div.div
```

```
Out[35]: <div class="col _2wzgFH"><div class="row"><div class="_3LWZlK _1BLPMq">5</div><p class="_2-N8zT">Brilliant</p></div><div class="row"><div class="t-ZTKy"><div><div class="">I switch to ios f
rom android after 10 years so this review might help for migrators<br><br>It's been a month using the iPhone13 and this was
my experience<br><br>1. Design - its simple and no nonsense design . Expect white and pink rest of the colours are fingerpri
nt magnets. I have seen all the colours and I highly recommend the pink . It's so light pink which makes it not girlish. See
it for yourself it really looks so premium in light pink colour. <br><br>For rest of it except white the aluminium frame wi
l...</div><span class="_1BWGvX"><span>READ MORE</span></span></div></div></div><div class="_2nMSwX _3oLIki"><div class="_21YjF
X _2A07HP" style="background-image:url(https://rukminim1.flixcart.com/blobio/124/124/imr-202206/blobio-imr-202206_9c3c87b1a0cc
484d85773a2a7a31b865.jpeg?q=90), url(
zLm9yZy8yMDAwL3N2ZyI+PGcgZmlsbD0iIzLEOUQ5RCIgZmlsbC1ydWx1PSJub256ZXJvIj48cGF0aCBkPSJNMjAgMEgyQzEgMCAwIDEGMCAydjE0YzAgMS4xLjkgM
iAyIDJoMThjMSAwIDItMSAyLTJwMmMwLTETMS0yLTItMnptMCAxNS45MmMmLTJyLjYyLjA4TDIuMDggMmgxNy44M2MuMDMuMDIuMDYuMDYuMDYuMDgUMDh2MTMuODRIMjB6Ii8+PHBhdGggZD0iITTEwIDEyLjUxTDcuNSA5LjUgNCAxNGgxNGwtNC41LTZ6Ii8+PC9nPjwvc3ZnPg==);width:62px;height:6
2px"></div><div class="_21YjFX _2A07HP" style="background-image:url(https://rukminim1.flixcart.com/blobio/124/124/imr-202206/b
lobio-imr-202206_224263feea454676b5382be330f09ef9.jpeg?q=90), url(
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b9"><div class="row"><p class="_2sc7ZR _2V5EHH">Mahim Chauhan</p><svg class="_2a1p_T" height="14" viewBox="0 0 12 12" width="1
4" xmlns="http://www.w3.org/2000/svg"><g><circle cx="6" cy="6" fill="#878787" r="6"></circle><path d="M3 6l2 2 4-4" fill="#878
787" stroke="#FFF" stroke-width="1.5"></path></g></svg><p class="_2mcZGG" id="review-f546ce70-be67-43bc-8740-557c784104ca"><sp
an>Certified Buyer</span><span>, Vadodara</span></p></div></div><p class="_2sc7ZR">1month ago</p></div><div class="_1e9_Zu"><di
v class="row"><div class="_27aTsS"><div class="_1LmwT9"><svg class="skCrcq" height="15" width="20" xmlns="http://www.w3.org/20
00/svg"><path class="_1LI4y" d="M9.58.006c-.41.043-.794.32-1.01.728-.277.557-2.334 4.693-2.74 5.1-.41.407-.944.6-1.544.6v8.57
2h7.5c.45 0 .835-.28 1.007-.665 0 0 2.207-6.234 2.207-6.834 0-.6-.47-1.072-1.07-1.072h-3.216c-.6 0-1.07-.535-1.07-1.07 0-.537.
835-3.387 1.006-3.944.17-.557-.107-1.157-.664-1.35-.15-.043-.257-.086-.407-.064zM0 6.434v8.572h2.143V6.434H0z" fill="#fff" fil
l-rule="evenodd"></path></svg><span class="_3c3Px5">905</span></div><div class="_1LmwT9 pkR4jH"><svg class="skCrcq pkR4jH" hei
ght="15" width="20" xmlns="http://www.w3.org/2000/svg"><path class="_1LI4y" d="M9.58.006c-.41.043-.794.32-1.01.728-.277.557-
2.334 4.693-2.74 5.1-.41.407-.944.6-1.544.6v8.572h7.5c.45 0 .835-.28 1.007-.665 0 0 2.207-6.234 2.207-6.834 0-.6-.47-1.072-1.0
7-1.072h-3.216c-.6 0-1.07-.535-1.07-1.07 0-.537.835-3.387 1.006-3.944.17-.557-.107-1.157-.664-1.35-.15-.043-.257-.086-.407-.06
```

```
4zM0 6.434v8.572h2.143V6.434H0z" fill="#fff" fill-rule="evenodd"></path></svg><span class="_3c3Px5">74</span></div></div><div class="_2bmov8"><svg class="_2Uv0Bb" height="11" viewBox="0 0 16 27" width="6" xmlns="http://www.w3.org/2000/svg"><path class="_2aPE6f" d="M16 23.207L6.11 13.161 16 3.093 12.955 0 0 13.161 12.955 13.161z" fill="#fff"></path></svg><div class="_3E8aI1 _38dCuf"><div class="_3XCI6U"><a href="/reviews/f546ce70-be67-43bc-8740-557c784104ca"><span>Permalink</span></a></div><div class="_3XCI6U _2b2z-j"><span>Report Abuse</span></div></div></div></div></div></div></div></div>
```

```
In [36]: # find the particular class in that div and extract the name
commentboxes[0].div.div.find_all('p', {'class': '_2sc7ZR _2V5EHH'})[0].text
```

```
Out[36]: 'Mahim Chauhan'
```

```
In [37]: # Extract all the comments
for i in range (len(commentboxes)-1):
    # Name
    print(commentboxes[i].div.div.find_all('p', {'class': '_2sc7ZR _2V5EHH'})[0].text)
    # Star Rating
    print(commentboxes[i].div.div.div.div.text)
    # opinion on product - comment
    print(commentboxes[i].div.div.div.p.text)
    # Review - comment
    comtag = commentboxes[i].div.div.find_all('div', {'class': ''})
    print(comtag[0].div.text)
    print("\n")
```

Sanoop A K

5

Classy product

First of all, this is a nice switch from Android in terms of software experience and optimizations. The kind of performance this iPhone offers is incredible. Even though this one is not having high screen refresh rates, it performs well compared to most of the android devices. Camera performance is fantastic, especially the cinematic mode is whole new experience. So far, under minimal calls, normal usage (like checking notifications atleast once in an hour), atleast 2 hours of streaming video...

Santanu Saha

5

Terrific purchase

Wonderful device. If you have some more budget go for 256GB which I bought. The Blue colour is nice. Its a bit thicker but doesn't feel. Very handy design. I was an android user but after using this I am fan of Apple. Now screen, Huge update from 12. Its more bright more resolution more details. Sound quality is good but not very loud. Camera is awesome. Video is at its best. Due to sensor shift stabilisation low light photography is very good and easy. OS and CPU performance is mind blowing. I...