

```
In [ ]: ### Assignment 9  
### Author: Rohit Pendse  
### Roll No: 33358  
### Problem Statement
```

importing libs

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

```
In [ ]: link = 'https://www.amazon.in/OnePlus-Mirror-Black-128GB-Storage/product-reviews/B07DJHV'
```

```
In [ ]: page = requests.get(link)
```

```
In [ ]: page
```

```
Out[4]: <Response [200]>
```

```
In [ ]: page.content
```

```
Out[5]: b'<!doctype html><html lang="en-in" class="a-no-js" data-19ax5a9jf="dingo"><!-- sp:feature:head-start -->\n<head><script>var aPageStart = (new Date()).getTime();</script><meta charset="utf-8"/>\n<!-- sp:end-feature:head-start -->\n<!-- sp:feature:css-optimization -->\n<meta http-equiv=\'x-dns-prefetch-control\' content=\'on\'>\n<link rel="dns-prefetch" href="https://images-eu.ssl-images-amazon.com">\n<link rel="dns-prefetch" href="https://m.media-amazon.com">\n<link rel="dns-prefetch" href="https://completion.amazon.com">\n<!-- sp:end-feature:css-optimization -->\n<!-- sp:feature:au-assets -->\n<link rel="stylesheet" href="https://images-eu.ssl-images-amazon.com/images/I/11EIQ5IGqaL._RC|01ZTHTZ0bnL.css,41wZkyTaWoL.css,31Y8m1dzTdL.css,013z33uKh2L.css,017DsKjNQJL.css,0131vqwP5UL.css,41EW001BJ9L.css,11TIuySqr6L.css,01ElnPxDxWL.css,11bGSgD5pDL.css,01Dm5eKVxwL.css,01IdKcBuAdL.css,01y-XAlI+2L.css,21N4kUH7pxL.css,01oDR3IULNL.css,41CYNGpGlRl.css,01XPHJk60-L.css,114y0SIP+yL.css,21aPhFy+riL.css,11gneA3MtJL.css,21fecG8pUzL.css,01u1GzBW88L.css,01CFUgsA-YL.css,31C80IiXa1L.css,11qour3ND0L.css,11gKCKQV+L.css,11061HxnEvL.css,11oHt2HYxnL.css,013RDhw9hoL.css,11JQtnL-6eL.css,116v6uYvN6L.css,11jtXRmppwL.css,01QrWuRrZ-L.css,21zuRztKjtl.css,11QyqG8yiqL.css,11K24eOJg4L.css,11F2+OBzLyL.css,01890+Vwk8L.css,11Y05DTEL6L.css,01cbS3UK11L.css,21F85am0yFL.css,01giMEP+djL.css_.css?AUIClients/AmazonUI#not-trident" />\n<script>\n(function(f,h,Q,E){function F(a){v&&v.tag&&v.tag(q(":", "au",a))}function t(a,b){v&&v.count&&v.count("au:"+a,0===b?0:b||(v.count("au:"+a)||0)+1)}function p(a){try{return
```

```
In [ ]: # parse the page content in html form  
soup = bs(page.content, 'html.parser')
```

```
<!DOCTYPE doctype html>
<html class="a-no-js" data-19ax5a9jf="dingo" lang="en-in">
  <!-- sp:feature:head-start -->
  <head>
    <script>
      var aPageStart = (new Date()).getTime();
    </script>
    <meta charset="utf-8"/>
    <!-- sp:end-feature:head-start -->
    <!-- sp:feature:cs-optimization -->
    <meta content="on" http-equiv="x-dns-prefetch-control"/>
    <link href="https://images-eu.ssl-images-amazon.com" rel="dns-prefetch"/>
    <link href="https://m.media-amazon.com" rel="dns-prefetch"/>
    <link href="https://completion.amazon.com" rel="dns-prefetch"/>
    <!-- sp:end-feature:cs-optimization -->
    <!-- sp:feature:aui-assets -->
    <link href="https://images-eu.ssl-images-amazon.com/images/I/11EIQ5IGqaL._RC|01ZTH
TZObnL.css,41wZkyTaWoL.css,31Y8m1dzTdL.css,013z33uKh2L.css,017DsKjNQJL.css,0131vqwP5
UL.css,41EW00lBJ9L.css,11TIuySqr6L.css,01ElnPxDxWL.css,11bGSgD5pDL.css,01Dm5eKVxwL.c
```

```
names = soup.find_all('span',class_='a-profile-name')
```

```
[<span class="a-profile-name">Tanmay Shukla</span>,<br><span class="a-profile-name">Surbhi Garg</span>,<br><span class="a-profile-name">Tanmay Shukla</span>,<br><span class="a-profile-name">Surbhi Garg</span>,<br><span class="a-profile-name">k1know</span>,<br><span class="a-profile-name">abdulkadir garari</span>,<br><span class="a-profile-name">Anshu K.</span>,<br><span class="a-profile-name">Anshu K.</span>,<br><span class="a-profile-name">Regidi Mahesh Dora</span>,<br><span class="a-profile-name">nagaraj s.</span>,<br><span class="a-profile-name">Aakash Sinha</span>,<br><span class="a-profile-name">Aakash Sinha</span>,<br><span class="a-profile-name">Mumtaz Alam</span>,<br><span class="a-profile-name">Mumtaz Alam</span>,<br><span class="a-profile-name">Vaibhav Narvaria</span>]
```

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

```
Out[10]: ['Tanmay Shukla',
          'Surbhi Garg',
          'Tanmay Shukla',
          'Surbhi Garg',
          'klknow',
          'abdulkadir garari',
          'Anshu K.',
          'Anshu K.',
          'Regidi Mahesh Dora',
          'nagaraj s.',
          'Aakash Sinha',
          'Aakash Sinha',
          'Mumtaz Alam',
          'Mumtaz Alam',
          'Vaibhav Narvaria']
```

```
In [ ]: cust_name.pop(0) # removing duplicate entry
```

```
Out[11]: 'Tanmay Shukla'
```

```
In [ ]: cust_name
```

```
Out[12]: ['Surbhi Garg',
          'Tanmay Shukla',
          'Surbhi Garg',
          'klknow',
          'abdulkadir garari',
          'Anshu K.',
          'Anshu K.',
          'Regidi Mahesh Dora',
          'nagaraj s.',
          'Aakash Sinha',
          'Aakash Sinha',
          'Mumtaz Alam',
          'Mumtaz Alam',
          'Vaibhav Narvaria']
```

```
In [ ]: cust_name.pop(0) # removing duplicate entry
```

```
Out[13]: 'Surbhi Garg'
```

```
In [ ]: cust_name
```

```
Out[14]: ['Tanmay Shukla',  
          'Surbhi Garg',  
          'klknow',  
          'abdulkadir garari',  
          'Anshu K.',  
          'Anshu K.',  
          'Regidi Mahesh Dora',  
          'nagaraj s.',  
          'Aakash Sinha',  
          'Aakash Sinha',  
          'Mumtaz Alam',  
          'Mumtaz Alam',  
          'Vaibhav Narvaria']
```

Finding titles of all reviews

```
In [ ]: title = soup.find_all('a',class_='review-title-content')
```

In []: title

```
Out[16]: [<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/RG52NAY3E12BR?ASIN=B07D
JHV6VZ">
  <span>Flagship Killer</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/R1EE0UTB5657D6?ASIN=B07
DJHV6VZ">
  <span>Camera quality is very poor.</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/R33GOMNOW0H21X?ASIN=B07
DJHV6VZ">
  <span>Dead on arrival</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/R22HPI22GRD028?ASIN=B07
DJHV6VZ">
  <span>Not worth to buy 6T</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/RP84LWZU2465S?ASIN=B07D
JHV6VZ">
  <span>Beautiful phone</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/R8RFWZ3LN6RS?ASIN=B07DJ
HV6VZ">
  <span>NO WAY GOING TO BE A CUSTOMER OF A COMPANY (Oneplus6T) THAT CANNOT GET NEW CUST
OMER SERVICE CORRECT</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/R17C4CZRJA22GP?ASIN=B07
DJHV6VZ">
  <span>Awesome value for the money</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/R3E54TMP6XTNA4?ASIN=B07
DJHV6VZ">
  <span>OnePlust 6T McLaren Edition - Salute to Speed!</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/RI11MIG62RRBL?ASIN=B07D
JHV6VZ">
  <span>Waste of money</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-
text-bold" data-hook="review-title" href="/gp/customer-reviews/R2MDSPX08USH3E?ASIN=B07
DJHV6VZ">
  <span>Superb phone</span>
</a>]
```

```
In [ ]: review_title = []
        for i in range(0,len(title)):
            review_title.append(title[i].get_text())
        review_title
```

```
Out[17]: ['\nFlagship Killer\n',
          '\nCamera quality is very poor.\n',
          '\nDead on arrival\n',
          '\nNot worth to buy 6T\n',
          '\nBeautiful phone\n',
          '\nNO WAY GOING TO BE A CUSTOMER OF A COMPANY (Oneplus6T) THAT CANNOT GET NEW CUSTOMER SERVICE CORRECT\n',
          '\nAwesome value for the money\n',
          '\nOnePlust 6T McLaren Edition - Salute to Speed!\n',
          '\nWaste of money\n',
          '\nSuperb phone\n']
```

```
In [ ]: # stripping off newline at the beginning
        review_title[:] = [titles.lstrip('\n') for titles in review_title]
        review_title
```

```
Out[18]: ['Flagship Killer\n',
          'Camera quality is very poor.\n',
          'Dead on arrival\n',
          'Not worth to buy 6T\n',
          'Beautiful phone\n',
          'NO WAY GOING TO BE A CUSTOMER OF A COMPANY (Oneplus6T) THAT CANNOT GET NEW CUSTOMER SERVICE CORRECT\n',
          'Awesome value for the money\n',
          'OnePlust 6T McLaren Edition - Salute to Speed!\n',
          'Waste of money\n',
          'Superb phone\n']
```

```
In [ ]: # stripping off newline at the end
        review_title[:] = [titles.rstrip('\n') for titles in review_title]
        review_title
```

```
Out[19]: ['Flagship Killer',
          'Camera quality is very poor.',
          'Dead on arrival',
          'Not worth to buy 6T',
          'Beautiful phone',
          'NO WAY GOING TO BE A CUSTOMER OF A COMPANY (Oneplus6T) THAT CANNOT GET NEW CUSTOMER SERVICE CORRECT',
          'Awesome value for the money',
          'OnePlust 6T McLaren Edition - Salute to Speed!',
          'Waste of money',
          'Superb phone']
```

Finding all ratings

```
In [ ]: rating = soup.find_all('i',class_='review-rating')
rating
```

```
Out[20]: [<i class="a-icon a-icon-star a-star-5 review-rating" data-hook="review-star-rating-vi
ew-point"><span class="a-icon-alt">5.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-2 review-rating" data-hook="review-star-rating-vi
ew-point"><span class="a-icon-alt">2.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-5 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">5.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-2 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">2.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-1 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">1.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-1 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">1.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-4 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">4.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-1 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">1.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-5 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">5.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-5 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">5.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-1 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">1.0 out of 5 stars</span></i>,
<i class="a-icon a-icon-star a-star-5 review-rating" data-hook="review-star-rating"><
span class="a-icon-alt">5.0 out of 5 stars</span></i>]
```

```
In [ ]: rate = []
for i in range(0,len(rating)):
    rate.append(rating[i].get_text())
rate
```

```
Out[21]: ['5.0 out of 5 stars',
'2.0 out of 5 stars',
'5.0 out of 5 stars',
'2.0 out of 5 stars',
'1.0 out of 5 stars',
'1.0 out of 5 stars',
'4.0 out of 5 stars',
'1.0 out of 5 stars',
'5.0 out of 5 stars',
'5.0 out of 5 stars',
'1.0 out of 5 stars',
'5.0 out of 5 stars']
```

```
In [ ]: len(rate)
```

```
Out[22]: 12
```

```
In [ ]: rate.pop(0) # removing duplicates
```

```
Out[23]: '5.0 out of 5 stars'
```

```
In [ ]: rate.pop(0) # removing duplicates
```

```
Out[24]: '2.0 out of 5 stars'
```

```
In [ ]: rate
```

```
Out[25]: ['5.0 out of 5 stars',  
          '2.0 out of 5 stars',  
          '1.0 out of 5 stars',  
          '1.0 out of 5 stars',  
          '4.0 out of 5 stars',  
          '1.0 out of 5 stars',  
          '5.0 out of 5 stars',  
          '5.0 out of 5 stars',  
          '1.0 out of 5 stars',  
          '5.0 out of 5 stars']
```

Finding review body


```
In [ ]: review = soup.find_all("span",{"data-hook":"review-body"})
review
```

```
Out[26]: [<span class="a-size-base review-text review-text-content" data-hook="review-body">
  <span>
    I got this phone on Friday evening.<br/><br/>Pros:<br/>Great battery life<br/>Amazi
ng performance<br/>Premium design<br/>Impressive rear and front camera<br/>In display
fingerprint scanner is really fast<br/><br/>Cons:<br/>No headphone jack but you'll get
a converter<br/>No notification LED<br/>No microSD card slot<br/><br/>I will give poin
ts on my personal experience of 2 days full usage as below:<br/><br/>Weight: 9/10<br/>
OS: 10/10<br/>Screen size: 10/10<br/>CPU: 10/10<br/>Performance: 10/10<br/>Storage: 1
0/10 (you'll get approx 113 gb for use)<br/>Battery: 8/10<br/>Rear camera: 10/10<br/>F
ront camera: 10/10<br/>In display fingerprint scanner: 9/10<br/>Face unlock: 10/10<br/
><br/>I hope this will help full.
  </span>
</span>,
  <span class="a-size-base review-text review-text-content" data-hook="review-body">
  <span>
    Camera quality is not upto the mark. I visited one plus store and the store represe
ntative checked my phone and compared the camera quality with his demo phone. He notic
ed a significant difference between the two.<br/><br/>I request Amazon to replace my p
hone with a new one as it is evident that this phone has some problems.
  </span>
</span>,
  <span class="a-size-base review-text review-text-content" data-hook="review-body">
  <span>
    I charged the phone completely out of the box and then turned it on. It went to th
e OnePlus logo screen but did nothing after that. No buttons work, no combinations of
any buttons do anything to take it out of logo screen, it won't even turn off. Amazon
won't allow return until technician looks at the phone??? OnePlus support said take i
t to a service center but couldn't tell me the closest one. Really disappointed in la
ck of support form both companies for a brand new product and release. I'm sure they
will now try to push a replacement but I'm not really interested in the product anymor
e.
  </span>
</span>,
  <span class="a-size-base review-text review-text-content" data-hook="review-body">
  <span>
    One plus 6 was costing 28k during the big billion sale and 6T costs 38k. It is not
worth to spend 10 k just for some small improvements.
  </span>
</span>,
  <span class="a-size-base review-text review-text-content" data-hook="review-body">
  <span>
    Good build.<br/>amazing battery life. ( Minimum 3 days stand by along with basic us
e in airtel's 4g network)<br/>good accessories on op site.<br/>cool phone box packing.
<br/>in display fingerprint sensor & face recognition both are good.<br/>loundspeak
er is decent. has a c type to 3.5mm adapter in the box.<br/>value for money. Go for i
t!
  </span>
</span>,
  <span class="a-size-base review-text review-text-content" data-hook="review-body">
  <span>
    Two days back I received 6T and had many problems with the mobile<br/>The mobile is
getting heated when it's on camera mode or doing nothing., and while using mobile it's
getting struck.. I don't think I got an original set, I'm sure it's a duplicate set.<b
r/>Please for god sake please exchange my mobile with a new one
  </span>
</span>,
  <span class="a-size-base review-text review-text-content" data-hook="review-body">
  <span>
    Phone is simply superb in all aspects...low light performance of the camera is outs
tanding...you simply cannot go wrong with this phone
```


,

This has by far been the best phone I have ever used hands-on. Flagship Specs, Classy look, Premium Packaging and the Speed you Need!
Appearance - The device looks very much similar to the OnePlus 6T upfront but it has got the speed orange highlights at the back, carbon finish and McLaren Branding at the bottom.
Camera - The night mode really captures amazing pictures and the portrait mode is just amazing. The low light photography could still be improved.
Battery - With average usage with full day data on, it easily lasts upto 2 days. The Warp charging is just amazing, it takes a round 40-45 mins to charge from 0-100%. But you could easily get a day's charge within 20 mins.
Speed - With 10 Gigs of RAM, speed should not be a question. You could open up 5 high specs games and it still wouldn't lag. And its bragging rights for sure!

Overall, I am really satisfied with this device and feels great to be a part of OnePlus Community! Go, get it! Its for those, who are in continuous pursuit for speed!

,

Battery-Extremely Poor
Camera-Satisfactory
Look-Good
Weight-Good
Sound-Superb

Overall I would have given it half star,deeply through by it's battery.
And even after the replacement,the same problem persists,which means it's a clear cut case of faulty manufacturing.

Please don't buy it,if you really love your hard earned money.....

,

After replace the handset issue was resolved. Now i unlocked the speed i need.

]

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

```
Out[27]: ["\n\n I got this phone on Friday evening.Pros:Great battery lifeAmazing performanceP
remium designImpressive rear and front cameraIn display fingerprint scanner is really
fastCons:No headphone jack but you'll get a converterNo notification LEDNo microSD car
d slotI will give points on my personal experience of 2 days full usage as below:Weigh
t: 9/10S: 10/10Screen size: 10/10CPU: 10/10Performance: 10/10Storage: 10/10 (you'll g
et approx 113 gb for use)Battery: 8/10Rear camera: 10/10Front camera: 10/10In display
fingerprint scanner: 9/10Face unlock: 10/10I hope this will help full.\n\n",
'\n\n Camera quality is not upto the mark. I visited one plus store and the store re
presentative checked my phone and compared the camera quality with his demo phone. He
noticed a significant difference between the two.I request Amazon to replace my phone
with a new one as it is evident that this phone has some problems.\n\n',
"\n\n I charged the phone completely out of the box and then turned it on. It went
to the OnePlus logo screen but did nothing after that. No buttons work, no combinatio
ns of any buttons do anything to take it out of logo screen, it won't even turn off.
Amazon won't allow return until technician looks at the phone??? OnePlus support said
take it to a service center but couldn't tell me the closest one. Really disappointed
in lack of support form both companies for a brand new product and release. I'm sure
they will now try to push a replacement but I'm not really interested in the product a
nymore.\n\n",
'\n\n One plus 6 was costing 28k during the big billion sale and 6T costs 38k. It i
s not worth to spend 10 k just for some small improvements.\n\n',
"\n\n Good build.amazing battery life. ( Minimum 3 days stand by along with basic us
e in airtel's 4g network)good accessories on op site.cool phone box packing.in display
fingerprint sensor & face recognition both are good.loudspeaker is decent. has a c typ
e to 3.5mm adapter in the box.value for money. Go for it!\n\n",
"\n\n Two days back I received 6T and had many problems with the mobileThe mobile is
getting heated when it's on camera mode or doing nothing., and while using mobile it's
getting struck.. I don't think I got an original set, I'm sure it's a duplicate set.Pl
ease for god sake please exchange my mobile with a new one\n\n",
'\n\n Phone is simply superb in all aspects...low light performance of the camera is
outstanding...you simply cannot go wrong with this phone\n\n',
"\n\n This has by far been the best phone I have ever used hands-on. Flagship Specs,
Classy look, Premium Packaging and the Speed you Need!Appearance - The device looks ve
ry much similar to the OnePlus 6T upfront but it has got the speed orange highlights a
t the back, carbon finish and McLaren Branding at the bottom.Camera - The night mode r
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hotography could still be improved.Battery - With average usage with full day data on,
it easily lasts upto 2 days. The Warp charging is just amazing, it takes around 40-45
mins to charge from 0-100%. But you could easily get a day's charge within 20 mins.Spe
ed - With 10 Gigs of RAM, speed should not be a question. You could open up 5 high spe
cs games and it still wouldn't lag. And its bragging rights for sure!Overall, I am rea
lly satisfied with this device and feels great to be a part of OnePlus Community! Go,
get it! Its for those, who are in continuous pursuit for speed!\n\n",
"\n\n Battery-Extremely PoorCamera-SatisfactoryLook-GoodWeight-GoodSound-SuperbOvera
ll I would have given it half star,deeply through by it's battery.And even after the r
eplacement,the same problem persists,which means it's a clear cut case of faulty manuf
acturing.Please don't buy it,if you really love your hard earned money.....\n\n",
'\n\n After replace the handset issue was resolved. Now i unlocked the speed i nee
d.\n\n']
```

Stripping newline character at the beginning and the end

```
In [ ]: review_content[:] = [reviews.lstrip('\n') for reviews in review_content]
review_content
```

```
Out[28]: [" I got this phone on Friday evening.Pros:Great battery lifeAmazing performancePremi
um designImpressive rear and front cameraIn display fingerprint scanner is really fast
Cons:No headphone jack but you'll get a converterNo notification LEDNo microSD card sl
otI will give points on my personal experience of 2 days full usage as below:Weight:
9/10OS: 10/10Screen size: 10/10CPU: 10/10Performance: 10/10Storage: 10/10 (you'll get
approx 113 gb for use)Battery: 8/10Rear camera: 10/10Front camera: 10/10In display fin
gerprint scanner: 9/10Face unlock: 10/10I hope this will help full.\n\n",
' Camera quality is not upto the mark. I visited one plus store and the store repres
entative checked my phone and compared the camera quality with his demo phone. He noti
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a new one as it is evident that this phone has some problems.\n\n',
" I charged the phone completely out of the box and then turned it on. It went to t
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f any buttons do anything to take it out of logo screen, it won't even turn off. Amaz
on won't allow return until technician looks at the phone??? OnePlus support said tak
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lack of support form both companies for a brand new product and release. I'm sure the
y will now try to push a replacement but I'm not really interested in the product anym
ore.\n\n",
' One plus 6 was costing 28k during the big billion sale and 6T costs 38k. It is no
t worth to spend 10 k just for some small improvements.\n\n',
" Good build.amazing battery life. ( Minimum 3days stand by along with basic use in
airtel's 4g network)good accessories on op site.cool phone box packing.in display fing
erprint sensor & face recognition both are good.loudspeaker is decent. has a c type to
3.5mm adapter in the box.value for money. Go for it!\n\n",
" Two days back I received 6T and had many problems with the mobileThe mobile is get
ting heated when it's on camera mode or doing nothing., and while using mobile it's ge
tting struck.. I don't think I got an original set, I'm sure it's a duplicate set.Plea
se for god sake please exchange my mobile with a new one\n\n",
' Phone is simply superb in all aspects...low light performance of the camera is out
standing...you simply cannot go wrong with this phone\n\n',
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games and it still wouldn't lag. And its bragging rights for sure!Overall, I am really
satisfied with this device and feels great to be a part of OnePlus Community! Go, get
it! Its for those, who are in continuous pursuit for speed!\n\n",
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ement,the same problem persists,which means it's a clear cut case of faulty manufactur
ing.Please don't buy it,if you really love your hard earned money.....\n\n",
' After replace the handset issue was resolved. Now i unlocked the speed i need.\n
\n']
```

```
In [ ]: review_content[:] = [reviews.rstrip('\n') for reviews in review_content]
review_content
```

```
Out[29]: [" I got this phone on Friday evening.Pros:Great battery lifeAmazing performancePremium designImpressive rear and front cameraIn display fingerprint scanner is really fast
Cons:No headphone jack but you'll get a converterNo notification LEDNo microSD card slotI will give points on my personal experience of 2 days full usage as below:Weight: 9/10OS: 10/10Screen size: 10/10CPU: 10/10Performance: 10/10Storage: 10/10 (you'll get approx 113 gb for use)Battery: 8/10Rear camera: 10/10Front camera: 10/10In display fingerprint scanner: 9/10Face unlock: 10/10I hope this will help full.",
' Camera quality is not upto the mark. I visited one plus store and the store representative checked my phone and compared the camera quality with his demo phone. He noticed a significant difference between the two.I request Amazon to replace my phone with a new one as it is evident that this phone has some problems.',
" I charged the phone completely out of the box and then turned it on. It went to the OnePlus logo screen but did nothing after that. No buttons work, no combinations of any buttons do anything to take it out of logo screen, it won't even turn off. Amazon won't allow return until technician looks at the phone??? OnePlus support said take it to a service center but couldn't tell me the closest one. Really disappointed in lack of support from both companies for a brand new product and release. I'm sure they will now try to push a replacement but I'm not really interested in the product anymore.",
' One plus 6 was costing 28k during the big billion sale and 6T costs 38k. It is not worth to spend 10 k just for some small improvements.',
" Good build.amazing battery life. ( Minimum 3days stand by along with basic use in airtel's 4g network)good accessories on op site.cool phone box packing.in display fingerprint sensor & face recognition both are good.loudspeaker is decent. has a c type to 3.5mm adapter in the box.value for money. Go for it!",
" Two days back I received 6T and had many problems with the mobileThe mobile is getting heated when it's on camera mode or doing nothing., and while using mobile it's getting struck.. I don't think I got an original set, I'm sure it's a duplicate set.Please for god sake please exchange my mobile with a new one",
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" Battery-Extremely PoorCamera-SatisfactoryLook-GoodWeight-GoodSound-SuperbOverall I would have given it half star,deeply through by it's battery.And even after the replacement,the same problem persists,which means it's a clear cut case of faulty manufacturing.Please don't buy it,if you really love your hard earned money.....",
' After replace the handset issue was resolved. Now i unlocked the speed i need.']
```

```
In [ ]: len(review_content)
```

```
Out[30]: 10
```

```
In [ ]: cust_name
        review_title
        rate
        review_content
```

```
Out[31]: [" I got this phone on Friday evening.Pros:Great battery lifeAmazing performancePremi
um designImpressive rear and front cameraIn display fingerprint scanner is really fast
Cons:No headphone jack but you'll get a converterNo notification LEDNo microSD card sl
otI will give points on my personal experience of 2 days full usage as below:Weight:
9/10OS: 10/10Screen size: 10/10CPU: 10/10Performance: 10/10Storage: 10/10 (you'll get
approx 113 gb for use)Battery: 8/10Rear camera: 10/10Front camera: 10/10In display fin
gerprint scanner: 9/10Face unlock: 10/10I hope this will help full.",
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ement,the same problem persists,which means it's a clear cut case of faulty manufactur
ing.Please don't buy it,if you really love your hard earned money.....",
' After replace the handset issue was resolved. Now i unlocked the speed i need.']
```

Creating dataframe for the scraped data

```
In [ ]: import pandas as pd
```

```
In [ ]: df = pd.DataFrame()
```

```
In [ ]: df
```

```
Out[34]: —  
=====
```

```
In [ ]: cust_name.pop(4)
```

```
Out[36]: 'Anshu K.'
```

```
In [ ]: cust_name.pop(7)
```

```
Out[37]: 'Aakash Sinha'
```

```
In [ ]: df
```

```
Out[38]: —  
=====
```

```
In [ ]: cust_name.pop(8)
```

```
Out[39]: 'Mumtaz Alam'
```

```
In [ ]: df.iloc[0:0]
```

```
In [ ]: # adding customer name column  
df['Customer Name']=cust_name
```

```
In [ ]: df
```

```
Out[42]:
```

	Customer Name
0	Tanmay Shukla
1	Surbhi Garg
2	klknow
3	abdulkadir garari
4	Anshu K.
5	Regidi Mahesh Dora
6	nagaraj s.
7	Aakash Sinha
8	Mumtaz Alam
9	Vaibhav Narvaria

```
=====
```

```
In [ ]: len(cust_name)
```

```
Out[43]: 10
```

```
In [ ]: # adding remaining columns  
df['Review title']=review_title  
df['Ratings']=rate  
df['Reviews']=review_content
```


In []: df

Out[47]:

	Customer Name	Review title	Ratings	Reviews
0	Tanmay Shukla	Flagship Killer	5.0 out of 5 stars	I got this phone on Friday evening.Pros:Grea...
1	Surbhi Garg	Camera quality is very poor.	2.0 out of 5 stars	Camera quality is not upto the mark. I visit...
2	klknow	Dead on arrival	1.0 out of 5 stars	I charged the phone completely out of the bo...
3	abdulkadir garari	Not worth to buy 6T	1.0 out of 5 stars	One plus 6 was costing 28k during the big bi...
4	Anshu K.	Beautiful phone	4.0 out of 5 stars	Good build.amazing battery life. (Minimum 3...
5	Regidi Mahesh Dora	NO WAY GOING TO BE A CUSTOMER OF A COMPANY (On...	1.0 out of 5 stars	Two days back I received 6T and had many pro...
6	nagaraj s.	Awesome value for the money	5.0 out of 5 stars	Phone is simply superb in all aspects...low ...
7	Aakash Sinha	OnePlust 6T McLaren Edition - Salute to Speed!	5.0 out of 5 stars	This has by far been the best phone I have e...
8	Mumtaz Alam	Waste of money	1.0 out of 5 stars	Battery-Extremely PoorCamera-SatisfactoryLoo...
9	Vaibhav Narvaria	Superb phone	5.0 out of 5 stars	After replace the handset issue was resolved...

==

In []:

```
# Saving the dataframe as csv
df.to_csv(r'/reviews.csv',index=True)
```