

WEB SCRAPING ON PLAYSTORE

In [1]:

```
from bs4 import BeautifulSoup as bs
import requests as rq
import IPython.display
from IPython.display import Image
```

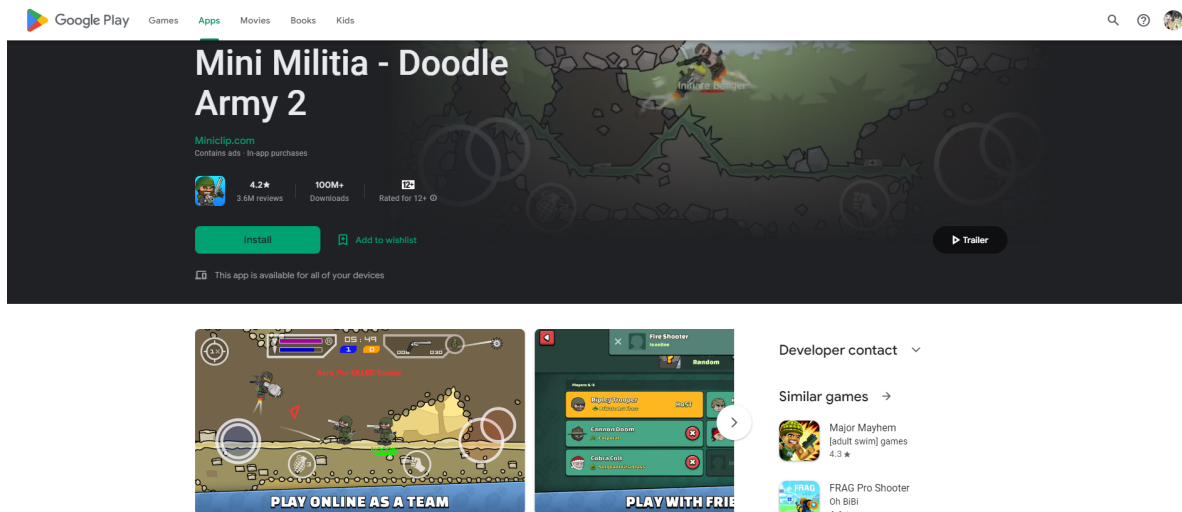
In [2]:

```
link = "https://play.google.com/store/apps/details?id=com.appsomniacs.da2"
```

In [3]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\mini home.png",width=2000,height=2000)
```

Out[3]:



In [4]:

```
pg=rq.get(link)
```

In [5]:

pg.content

Out[5]:

```
b'<!doctype html><html lang="en-US" dir="ltr"><head><base href="https://play.google.com/"><meta name="referrer" content="origin"><meta name="viewport" content="width=device-width, initial-scale=1"><meta name="mobile-web-app-capable" content="yes"><meta name="apple-mobile-web-app-capable" content="yes"><meta name="google-site-verification" content="sBw2N8uateIzRr93vmFze5MF_35vMk5F1wG04L5JcJE"><meta name="google-site-verification" content="PJKdyVFC5jlu_l8Wo_hirJkhs1cmitmn44fgp0c3zFc"><link rel="search" href="/opensearch.xml" type="application/opensearchdescription+xml" title="Google Play"><link rel="shortcut icon" href="//www.gstatic.com/android/market_images/web/favicon_v3.ico"><script data-id="_gd" nonce="oWDRSwAv3SNC05fvxRJTFa">window.WIZ_global_data = {"DpimGf":false,"EP1ykD":["/_/*","/covid19/exposurenotifications/select","/covid19/exposurenotifications/select/*","/exchange","/exchange/*","/store/ereview","/store/ereview/","/store/linkbuilder","/store/linkbuilder/","/store/movies/device","/store/movies/device/","/web/store/ereview","/web/store/ereview/","/web/store/linkbuilder","/web/store/linkbuilder/","/web/store/movies/device","/web/store/movies/device/"],"FdrFJe":-5457832227062069491","G8C1sd": "%.@. [[true], null, [[[[[[]].null,null,null,null,[null,2].null,null,null,null,null,null,null,

```

In [6]:

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

Out[6]:

```
<!DOCTYPE html>
<html dir="ltr" lang="en-US"><head><base href="https://play.google.com/">
<meta content="origin" name="referrer"/><meta content="width=device-width, initial-scale=1" name="viewport"/><meta content="yes" name="mobile-web-app-capable"/><meta content="yes" name="apple-mobile-web-app-capable"/><meta content="sBw2N8uateIzRr93vmFze5MF_35vMk5F1wG04L5JcJE" name="google-site-verification"/><meta content="PJKdyVFC5jlu_l8Wo_hirJkhs1cmitmn44fgp0c3zFc" name="google-site-verification"/><link href="/opensearch.xml" rel="search" title="Google Play" type="application/opensearchdescription+xml"/><link href="//www.gstatic.com/android/market_images/web/favicon_v3.ico" rel="shortcut icon"/><script data-id="_gd" nonce="oWDRSwAv3SNC05fvxRJTFa">window.WIZ_global_data = {"DpimGf":false,"EP1ykD":["/_/*","/covid19/exposurenotifications/select","/covid19/exposurenotifications/select/*","/exchange","/exchange/*","/store/ereview","/store/ereview/","/store/linkbuilder","/store/linkbuilder/","/store/movies/device","/store/movies/device/","/web/store/ereview","/web/store/ereview/","/web/store/linkbuilder","/web/store/linkbuilder/","/web/store/movies/device","/web/store/movies/device/"],"FdrFJe":-5457832227062069491,"G8C1sd": "%.@. [[true], null,

```


In [10]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\milli.png",width=200,height=200)
```

Out[10]:



Number of Downloads

In [11]:

```
download=soup.find_all("div",class_="wVqUob")
download
```

Out[11]:

```
[<div class="wVqUob"><div class="ClM70"><div itemprop="starRating"><div aria-label="Rated 4.2 stars out of five stars" class="TT9eCd">4.2<i aria-hidden="true" class="google-material-icons ERwvGb">star</i></div></div></div><div class="g1rdde">3.6M reviews</div></div>,
  <div class="wVqUob"><div class="ClM70">100M+</div><div class="g1rdde">Downloads</div></div>,
  <div class="wVqUob"><div class="ClM70"></div><div class="g1rdde"><span itemprop="contentRating"><span>Teen</span></span><div aria-label="More info about this content rating" class="MKV5ee" jsaction="click:Cn0def" jscontroller="kJXwXb" role="button" tabindex="0"><i aria-hidden="true" class="google-material-icons oUaal">info</i></div></div></div>]
```

In [12]:

```
no_download=[]  
for i in range(0,len(download)):  
    no_download.append(download[i].get_text())  
no_download[1:2]
```

Out[12]:

```
['100M+Downloads']
```

Total Game Review

In [13]:

```
rev=soup.find_all("div",class_="g1rdde")  
rev
```

Out[13]:

```
[<div class="g1rdde">3.6M reviews</div>,  
 <div class="g1rdde">Downloads</div>,  
 <div class="g1rdde"><span itemprop="contentRating"><span>Teen</span></span>  
 <div aria-label="More info about this content rating" class="MKV5ee" jsaction="click:CnOdef" jscontroller="kJXwXb" role="button" tabindex="0"><i aria-hidden="true" class="google-material-icons oUaal">info</i></div></div>]
```

In [14]:

```
overall_rev=[]  
for i in range(0,len(rev)):  
    overall_rev.append(rev[i].get_text())  
overall_rev[:1]
```

Out[14]:

```
['3.6M reviews']
```

Sponser Company

In [15]:

```
spc=soup.find_all("div",class_="Vbfug auoIOc")  
spc
```

Out[15]:

```
[<div class="Vbfug auoIOc"><a href="/store/apps/dev?id=5933611429942957630">  
 <span>Miniclip.com</span></a></div>]
```

In [16]:

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

Out[16]:

```
['Miniclip.com']
```

About This Game ~~>

In [17]:

```
abt=soup.find_all("div",class_="bARER")  
abt
```

Out[17]:

```
[<div class="bARER" data-g-id="description">Mini Militia - Doodle Army 2 is  
all about intense multiplayer combat!<br/>Battle with up to 6 players online  
in this 2D fun cartoon themed cross between Soldat and Halo, inspired on the  
original stickman shooter Doodle Army.<br/><br/>Key features:<br/>.Onli  
ne multiplayer with up to 6 players<br/>.Intuitive dual stick shooting contr  
ols with jetpack flight <br/>.Over 20 maps to explore<br/>.Wide range of mod  
ern and futuristic weapon types<br/>.Offline Survival mode</div>]
```

In [18]:

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

Out[18]:

```
['Mini Militia - Doodle Army 2 is all about intense multiplayer combat!Battl  
e with up to 6 players online in this 2D fun cartoon themed cross between So  
ldat and Halo, inspired on the original stickman shooter Doodle Army.Key fea  
tures:.Online multiplayer with up to 6 players.Intuitive dual stick shooting  
controls with jetpack flight .Over 20 maps to explore.Wide range of modern a  
nd futuristic weapon types.Offline Survival mode']
```

Users Names

In [19]:

```
names=soup.find_all("div",class_="X5PpBb")  
names
```

Out[19]:

```
[<div class="X5PpBb">Kevin B</div>,  
<div class="X5PpBb">A Google user</div>,  
<div class="X5PpBb">Juvannie Lynch</div>]
```

In [20]:

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

Out[20]:

```
['Kevin B', 'A Google user', 'Juvannie Lynch']
```

User's Reviews

In [21]:

```
rev=soup.find_all("div",class_="h3YV2d")  
rev
```

Out[21]:

```
[<div class="h3YV2d">Excellent game, super fun, but there is one problem I have noticed. I am unable to play on mobile data, when I try to join any room, it after the countdown, it just endlessly loads, but doesn't join the game. Sometimes it works if I choose the random room option, but after one match or so, it goes back to the endless loading. I have tried reinstalling it, clearing cache / data, etc, but nothing helps. If you could help me with this, I would much appreciate it.</div>,  
<div class="h3YV2d">Pay 2 win, that's all you need to know, and if you're wondering, this used to be a good game you could play with family and friends but was ruined with a U.I. update, and the fact that even if you spent money on previous builds, you lost all pro pack, and had to grind to get basic guns back. Gameplay is good, but overall would be better if old UI was back. So then I wouldn't have to rely on luck to unlock other guns and make it a fair fight.</div>,  
<div class="h3YV2d">This version is subpar to the original version of mini, anyone who played back in the day would agree. I downloaded it to play with my friends. I can't get back my pro pack cause the date to renew it is gone. Nice one. I spent money on the game and can't get my stuff. You barely get any full 6 man matches because they separated the maps. And when you do get in a game the 1 and 2 man quit. They just added ads and removed it back. Idk why the devs are ruining what used to be a great game.</div>]
```

In [22]:

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

Out[22]:

["Excellent game, super fun, but there is one problem I have noticed. I am unable to play on mobile data, when I try to join any room, it after the countdown, it just endlessly loads, but doesn't join the game. Sometimes it works if I choose the random room option, but after one match or so, it goes back to the endless loading. I have tried reinstalling it, clearing cache / data, etc, but nothing helps. If you could help me with this, I would much appreciate it.",

"Pay 2 win, that's all you need to know, and if you're wondering, this used to be a good game you could play with family and friends but was ruined with a U.I. update, and the fact that even if you spent money on previous builds, you lost all pro pack, and had to grind to get basics guns back. Gameplay is good, but overall would be better if old UI was back. So then I wouldn't have to rely on luck to unlock other guns and make it a fair fight.",

"This version is subpar to the original version of mini, anyone who played back in the day would agree. I downloaded it to play with my friends. I can't get back my pro pack cause the date to renew it is gone. Nice one. I spent money on the game and can't get my stuff. You barely get any full 6 man matches because they separated the maps. And when you do get in a game the 1 and 2 man quit. They just added ads and removed it back. Idk why the devs are ruining what used to be a great game."]

User Review Dates

In [23]:

```
dt=soup.find_all("div",class_="Jx4nYe")
dt
```

Out[23]:

```
[<div class="Jx4nYe"><div aria-label="Rated 5 stars out of five stars" class="iXRFpc" role="img"><span aria-hidden="true" class="F7XJmb" data-number="1" jsname="fI6EEc" ssk="1#1"><span aria-hidden="true" class="Z1Dz7b"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-hidden="true" class="F7XJmb" data-number="2" jsname="fI6EEc" ssk="1#2"><span aria-hidden="true" class="Z1Dz7b"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-hidden="true" class="F7XJmb" data-number="3" jsname="fI6EEc" ssk="1#3"><span aria-hidden="true" class="Z1Dz7b"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-hidden="true" class="F7XJmb" data-number="4" jsname="fI6EEc" ssk="1#4"><span aria-hidden="true" class="Z1Dz7b"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-hidden="true" class="F7XJmb" data-number="5" jsname="fI6EEc" ssk="1#5"><span aria-hidden="true" class="Z1Dz7b"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span></div><span class="bp9Aid">June 25, 2021</span></div>
<div class="Jx4nYe"><div aria-label="Rated 1 stars out of five stars" class="iXRFpc" role="img"><span aria-hidden="true" class="F7XJmb" data-number="1" jsname="fI6EEc" ssk="1#1"><span aria-hidden="true" class="Z1Dz7b"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-hidden="true" class="F7XJmb" data-number="2" jsname="fI6EEc" ssk="1#2"><span aria-hidden="true" class="Wi7Kie"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-hidden="true" class="F7XJmb" data-number="3" jsname="fI6EEc" ssk="1#3"><span aria-hidden="true" class="Wi7Kie"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-hidden="true" class="F7XJmb" data-number="4" jsname="fI6EEc" ssk="1#4"><span aria-hidden="true" class="Wi7Kie"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-hidden="true" class="F7XJmb" data-number="5" jsname="fI6EEc" ssk="1#5"><span aria-hidden="true" class="Wi7Kie"><svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span></div>
```

```
-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span></div><span class="bp9Aid">April 12, 2020</span></div>
<div class="Jx4nYe"><div aria-label="Rated 1 stars out of five stars" class="iXRFpc" role="img"><span aria-hidden="true" class="F7XJmb" data-number="1"
jsname="fI6EEc" ssk="1#1"><span aria-hidden="true" class="Z1Dz7b"><svg viewb
ox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fi
ll="none"></path><path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.
27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.8
2 21z"></path></svg></span></span><span aria-hidden="true" class="F7XJmb" da
ta-number="2" jsname="fI6EEc" ssk="1#2"><span aria-hidden="true" class="Wi7K
Ie"><svg viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M0
0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill="none"></path><p
ath d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24
l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-hidden="true" cla
ss="F7XJmb" data-number="3" jsname="fI6EEc" ssk="1#3"><span aria-hidden="tru
e" class="Wi7Kie"><svg viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/sv
g"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h24v24H0z" fill
="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l-7.19-.61L12 2
9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></span><span aria-h
idden="true" class="F7XJmb" data-number="4" jsname="fI6EEc" ssk="1#4"><span
aria-hidden="true" class="Wi7Kie"><svg viewBox="0 0 24 24" xmlns="http://ww
w.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path><path d="M0 0h
24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64-7.03L22 9.24l
-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></svg></span></sp
an><span aria-hidden="true" class="F7XJmb" data-number="5" jsname="fI6EEc" s
sk="1#5"><span aria-hidden="true" class="Wi7Kie"><svg viewBox="0 0 24 24" xm
lns="http://www.w3.org/2000/svg"><path d="M0 0h24v24H0z" fill="none"></path>
<path d="M0 0h24v24H0z" fill="none"></path><path d="M12 17.27L18.18 21l-1.64
-7.03L22 9.24l-7.19-.61L12 2 9.19 8.63 2 9.24l5.46 4.73L5.82 21z"></path></s
vg></span></span></div><span class="bp9Aid">May 25, 2020</span></div>]
```

In [24]:

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

Out[24]:

```
['June 25, 2021', 'April 12, 2020', 'May 25, 2020']
```

Applying Tabular Structure

In [25]:

```
import pandas as pd
```

In [26]:

```
df=pd.DataFrame()
df["USER_NAMES"]=user_name
df["USERS_REVIEW"]=user_rev
df["POSTED_DATE"]=date
```

In [27]:

df

Out[27]:

	USER_NAMES	USERS_REVIEW	POSTED_DATE
0	Kevin B	Excellent game, super fun, but there is one pr...	June 25, 2021
1	A Google user	Pay 2 win, that's all you need to know, and if...	April 12, 2020
2	Juvannie Lynch	This version is subpar to the original version...	May 25, 2020

In [28]:

```
df.to_csv("MINI MILITIA GAME REVIEW",index=False)
```

In [29]:

```
df1=pd.read_csv("MINI MILITIA GAME REVIEW")
df1
```

Out[29]:

	USER_NAMES	USERS_REVIEW	POSTED_DATE
0	Kevin B	Excellent game, super fun, but there is one pr...	June 25, 2021
1	A Google user	Pay 2 win, that's all you need to know, and if...	April 12, 2020
2	Juvannie Lynch	This version is subpar to the original version...	May 25, 2020

=====

◀ ▶

WEB SCRAPING ON FLIPKART

In [30]:

```
link2 = "https://www.flipkart.com/nothing-phone-1-black-256-gb/p/itmeea53a564de47?pid=MOBGC"
```

◀ ▶

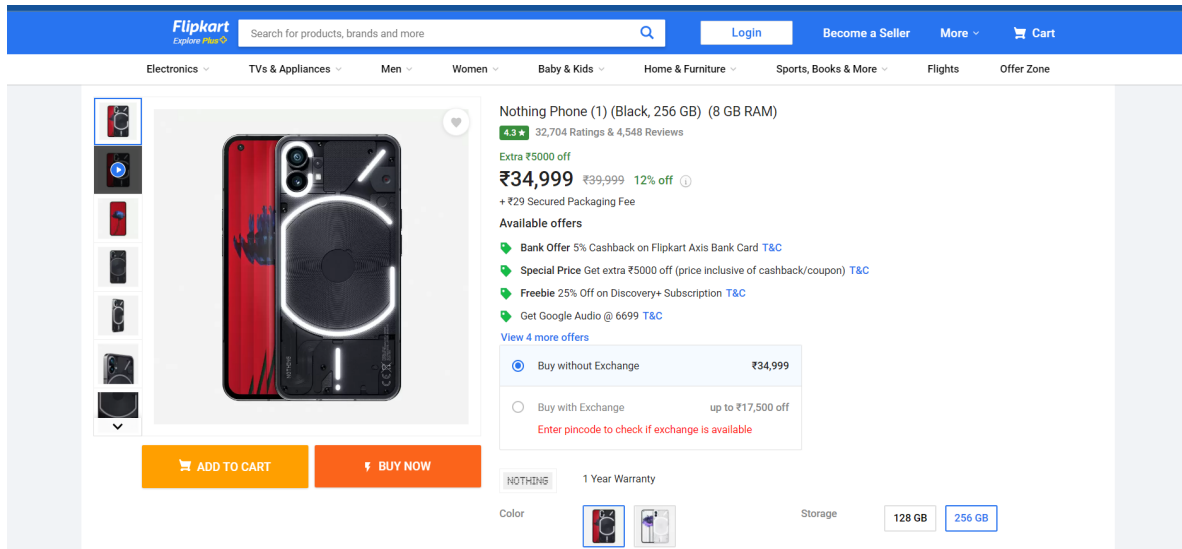
In [31]:

```
pg=rq.get(link2)
```

In [32]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\flipkart .png",width=2000,height=2000)
```

Out[32]:



In [33]:

```
pg.content
```

Out[33]:

```
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.104e9a.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=
```

In [34]:

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

Out[34]:

```
<!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: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
```

In [35]:

```
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: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"/>
```

Title of the Product

In [36]:

```
title=soup.title  
title
```

Out[36]:

```
<title>Nothing Phone (1) ( 256 GB Storage, 8 GB RAM ) Online at Best Price On  
Flipkart.com</title>
```

In [37]:

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

```
Nothing Phone (1) ( 256 GB Storage, 8 GB RAM ) Online at Best Price On Flipk  
art.com
```

Price of Product

In [38]:

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

```
[<div class="_30jeq3 _16Jk6d">₹34,999</div>]
```

In [39]:

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

Out[39]:

```
['₹34,999']
```

MOBILE

In [40]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\ntg 1.png",width=200,height=200)
```

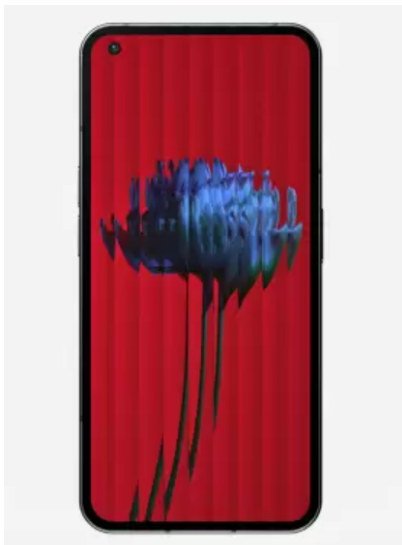
Out[40]:



In [41]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\ntg 2.png",width=200,height=200)
```

Out[41]:



In [42]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\ntg 3.png",width=300,height=300)
```

Out[42]:



In [43]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\ntg 4.png",width=400,height=400)
```

Out[43]:



In [44]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\ntg 5.png",width=400,height=400)
```

Out[44]:



Overall Rating

In [45]:

```
ovr=soup.find_all("div",class_="col-12-12 _1azcI6")  
print(ovr)
```

```
[<div class="col-12-12 _1azcI6"><div class="_2d4LTz">4.3</div><div class="_2  
yxeXv">★</div></div></div>]
```

In [46]:

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

Out[46]:

```
['4.3★']
```

In [47]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\rar.png",width=300,height=300)
```

Out[47]:

Ratings & Reviews



HighLights of the Product

In [48]:

```
hop=soup.find_all("li",class="_21Ahn-")
print(hop)
```

```
[<li class="_21Ahn-">8 GB RAM | 256 GB ROM</li>, <li class="_21Ahn-">16.64 c
m (6.55 inch) Full HD+ Display</li>, <li class="_21Ahn-">50MP + 50MP | 16MP
Front Camera</li>, <li class="_21Ahn-">4500 mAh Lithium-ion Battery</li>, <l
i class="_21Ahn-">Qualcomm Snapdragon 778G+ Processor</li>, <li class="_21Ah
n-">Meet the Glyph Interface. A New Way to Communicate</li>, <li class="_21A
hn-">1 Billion Colours, True-to-Life Full HD Flexible OLED Display with HDR1
0+ for Richer Colour and Deeper Contrasts.</li>]
```

In [49]:

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

Out[49]:

```
['8 GB RAM | 256 GB ROM',
 '16.64 cm (6.55 inch) Full HD+ Display',
 '50MP + 50MP | 16MP Front Camera',
 '4500 mAh Lithium-ion Battery',
 'Qualcomm Snapdragon 778G+ Processor',
 'Meet the Glyph Interface. A New Way to Communicate',
 '1 Billion Colours, True-to-Life Full HD Flexible OLED Display with HDR10+
for Richer Colour and Deeper Contrasts.']
```

Available Offers

In [50]:

```
ao=soup.find_all("span",class_="_3j4Zjq row")
print(ao)
```

```
[<span class="_3j4Zjq row"><li class="_16eBzU col"><span class="u8dYXW">Bank Offer</span><span>5% Cashback on Flipkart Axis Bank Card</span><div class="Bv11UC _1qNw3R"><span class="fGhUR2">T&C</span></div></li></span>, <span class="_3j4Zjq row"><li class="_16eBzU col"><span class="u8dYXW">Special Price</span><span>Get extra ₹5000 off (price inclusive of cashback/coupon)</span><div class="Bv11UC _1qNw3R"><span class="fGhUR2">T&C</span></div></li></span>, <span class="_3j4Zjq row"><li class="_16eBzU col"><span class="u8dYXW">Freebie</span><span>25% Off on Discovery+ Subscription</span><div class="Bv11UC _1qNw3R"><span class="fGhUR2">T&C</span></div></li></span>, <span class="_3j4Zjq row"><li class="_16eBzU col"><span>Get Google Audio @ 6699</span><div class="Bv11UC _1qNw3R"><span class="fGhUR2">T&C</span></div></li></span>]
```

In [51]:

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

Out[51]:

```
['Bank Offer5% Cashback on Flipkart Axis Bank CardT&C',
 'Special PriceGet extra ₹5000 off (price inclusive of cashback/coupon)T&C',
 'Freebie25% Off on Discovery+ SubscriptionT&C',
 'Get Google Audio @ 6699T&C']
```

Review as per object

In [52]:

```
rao=soup.find_all("text",class_="_2Ix0io")
print(rao)
```

```
[<text class="_2Ix0io" x="50" y="50">4.1</text>, <text class="_2Ix0io" x="50" y="50">3.9</text>, <text class="_2Ix0io" x="50" y="50">4.3</text>, <text class="_2Ix0io" x="50" y="50">4.2</text>]
```

In [56]:

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

Out[56]:

```
['4.1', '3.9', '4.3', '4.2']
```

In [57]:

```
raon=soup.find_all("div",class_="_3npa3F")
print(raon)
```

```
[<div class="_3npa3F">Camera</div>, <div class="_3npa3F">Battery</div>, <div class="_3npa3F">Display</div>, <div class="_3npa3F">Design</div>]
```

In [58]:

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

Out[58]:

```
['Camera', 'Battery', 'Display', 'Design']
```

In [59]:

```
odf=pd.DataFrame()
odf["RATING"]=rev_apo
odf["OBJECT"]=rev_apon
odf
```

Out[59]:

	RATING	OBJECT
0	4.1	Camera
1	3.9	Battery
2	4.3	Display
3	4.2	Design

In [60]:

```
Image("C:\\Users\\Siddhesh\\Pictures\\WS_SS\\rev.png",width=300,height=300)
```

Out[60]:



Customer Names

In [61]:

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

```
[<p class="_2sc7ZR _2V5EHH">Vidyadhar Reddy</p>, <p class="_2sc7ZR _2V5EHH">
Mohit Choudhary</p>, <p class="_2sc7ZR _2V5EHH">Deepak Singh</p>, <p class
="_2sc7ZR _2V5EHH">Prasanth M A</p>, <p class="_2sc7ZR _2V5EHH">Anupam Kumar
</p>, <p class="_2sc7ZR _2V5EHH">Manan Chitaliya</p>, <p class="_2sc7ZR _2V5
EHH">Keshav Singh</p>, <p class="_2sc7ZR _2V5EHH">Muddu Kishan</p>, <p class
="_2sc7ZR _2V5EHH">Mounica Pasulapati</p>, <p class="_2sc7ZR _2V5EHH">Chetha
n A</p>]
```

In [62]:

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

Out[62]:

```
['Vidyadhar Reddy',
'Mohit Choudhary',
'Deepak Singh',
'Prasanth M A',
'Anupam Kumar',
'Manan Chitaliya',
'Keshav Singh',
'Muddu Kishan',
'Mounica Pasulapati',
'Chethan A']
```

Comments By Customers

In [65]:

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

```
[<p class="_2-N8zT">Decent Phone, but not Great. Maybe, my opinion can chang
e</p>, <p class="_2-N8zT">Best in the market!</p>, <p class="_2-N8zT">Did no
t meet expectations</p>, <p class="_2-N8zT">Wonderful</p>, <p class="_2-N8z
T">Nice product</p>, <p class="_2-N8zT">Excellent</p>, <p class="_2-N8zT">Ni
ce product</p>, <p class="_2-N8zT">Waste of money!</p>, <p class="_2-N8zT">T
errific</p>, <p class="_2-N8zT">Mind-blowing purchase</p>]
```

In [66]:

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

Out[66]:

```
['Decent Phone, but not Great. Maybe, my opinion can change',  
'Best in the market!',  
'Did not meet expectations',  
'Wonderful',  
'Nice product',  
'Excellent',  
'Nice product',  
'Waste of money!',  
'Terrific',  
'Mind-blowing purchase']
```

Reviews By Customer

In [75]:

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

```
[<div class="t-ZTKy"><div><div class="">Exchanged my OnePlus 5 as there w
as an amazing offer but quick thoughts -<br/><br/>Screen - really good<b
r/>Os - feels like stock Android<br/>Battery charger - average, taking to
o much of time to charge<br/>Battery backup - not great, draining fast (1
2% drain for ~ SOT)<br/>Camera - Average<br/>Haptic - Excellent, top clas
s<br/>Speaker - Very Good<br/>Call Quality - Very Good - no call drop, ex
cellent clarity on speaker mode<br/>Finger print scanner - decent<br/>Ove
rall feel in hand - Excellent<br/>Bluetooth connectivity - Very Good<br/>
4G+ Re...</div><span class="_1BWGvX"><span>READ MORE</span></span></div>
</div>, <div class="t-ZTKy"><div><div class="">The camera is amazing.<br/
>I've attached the samples.<br/>The regular photo does the job fine (2nd
pic was through regular mode).<br/>But if you open the expert mode and fi
ddle around with ISO and shutter speed, you'll get some really great shot
s (1st and 3rd pic).<br/><br/>The battery life before update gave a decen
t 6+hr SOT, but after update it's around 9hr which is simply amazing.<br/
>Also the refresh rate was 120Hz, so if you limit it to 60 you may see ev
en better battery life.<br/><br/>I would highly recommend this de...</div
><span class="_1BWGvX"><span>READ MORE</span></span></div></div>, <div cl
ass="t-ZTKy"><div><div class="">Display is good<br/><br/>mobile seems ver
y awesome when you hold in your hands <br/><br/>battery drains like nothi
ng inside .<br/><br/>pathetic battery drain....you need to charge twice a
day can't relat on battery back up if you are heavy user stay away from t
his mobile 1.<br/><br/>instead of buying a fast charger buy a powerbank y
ou will need it for sure</div><span class="_1H-bmy"><span>READ MORE</span>
</span></div></div>, <div class="t-ZTKy"><div><div class="">I have been
an Android user for the past 13 years I have never seen such a great ca
mera performance in any Android display is best <br/>Camera 5/5<br/>Batte
ry 4/5<br/>Display 5/5<br/>Performance 3.5/5<br/>Charging speed 3.5/5<br/
>Product of quality is worth for every penny u pay</div><span class="_1H-
bmy"><span>READ MORE</span></span></div></div>, <div class="t-ZTKy"><div>
<div class="">I'm writing this review after using it for around 72hrs and
so far I feel that this is quite a balanced phone. Lets address the cons
first:<br/>1. Software is filled with lot of bugs (hoping that they fix i
t in near future) <br/>2. Sometimes phone's refresh rate drops significan
tly <br/>3. Earlier today, phone didn't detect sim, had to reinsert<br/>
4. Connected devices have to be disconnected individually<br/><br/>Now le
ts talk about the reasons to buy:<br/>1. Unique phone<br/>2. Good built,
weight distribution is even, fee...</div><span class="_1BWGvX"><span>READ
MORE</span></span></div></div>, <div class="t-ZTKy"><div><div class="">Aw
some <br/>Just New Look A Refreshed New Launcher<br/>Awsome Camera Setup
The Picture Is Definitely Clear...<br/>Battery Runs Good<br/>Software Exp
erience Is Just Awsome Clean Fast And Safe Android To Use<br/>The Back Li
ghting Is Also The Newer Look ....</div><span class="_1H-bmy"><span>READ
MORE</span></span></div></div>, <div class="t-ZTKy"><div><div class="">Fi
nally after months of waiting I got it on 13th july one day after the lau
nch, excited AF!! .<br/>the phone looks fantastic , the in hand feel is s
oo great that you wont go back to another phone after using this one... <
br/>the cameras on the phone are great!! I haven't tested them yet but th
e initial pics and videos were superb.. the video stabilization is excell
ent!!! ik this feels all too good but there are a few downsides to buying
a phone from a new company after all... the ui is refined i agre...</div>
<span class="_1BWGvX"><span>READ MORE</span></span></div></div>, <div cla
ss="t-ZTKy"><div><div class="">Pretty average phone. I always prioritise
display and battery life, when buying a new phone. Based on the hype, wit
h hdr10 display & 10 bit colours, you would expect a good display. Bu
```

t, Believe me pixel4A has a more vibrant, saturated display. Nothing phone has an average display. You can see the pixels close up. The glossy and color factor is missing.

Camera is dead average. Again pixel 4a has a better camera, which is almost close to iPhone. Nothing phone camera is not at all sharp. Noise...</div>READ MORE</div></div>, <div class="t-ZTKy"><div><div class="">In one liner worthy for the amount spent. Impressive looks. Haptics are good. UI is cool and refresh rate is awesome with 130Hz. You can switch the refresh rate too. Touch sensitivity is good but definitely need screenguard for smooth handling. Glassy finish with transparent back attracts. Selfish cam is pretty good. Yet to test primary cameras during Day light. Phone is very very light weight. One small issue is like other phones mild heating occurs while using heavy apps or parallel usage o...</div>READ MORE</div></div>, <div class="t-ZTKy"><div><div class="">I am not a Nothing brand promoter, based on my 5 days of usage i am sharing my experience, i feel great because This Nothing phone made Apple phone users to look at me (feels great because the build quality is very good).
Display is awesome.
Camera especially videos stabilization and photos are brilliant.
Performance is good till now I didn't feel any lag.
Battery easily one day.
(compared with the OnePlus 10pro, Nothing is better than anything)
Something Different, a very good phone.
It ha...</div>READ MORE</div></div>]



In [76]:

```

rev_cus=[]
for i in range(0,len(rbc)):
    rev_cus.append(rbc[i].get_text())
rev_cus

```

Out[76]:

['Exchanged my OnePlus 5 as there was an amazing offer but quick thoughts -S
screen - really goodOs - feels like stock AndroidBattery charger - average, t
aking too much of time to chargeBattery backup - not great, draining fast (1
2% drain for ~ SOT)Camera - AverageHaptic - Excellent, top classSpeaker - Ve
ry GoodCall Quality - Very Good - no call drop, excellent clarity on speaker
modeFinger print scanner - decentOverall feel in hand - ExcellentBluetooth c
onnectivity - Very Good4G+ Re...READ MORE',

"The camera is amazing.I've attached the samples.The regular photo does the
job fine (2nd pic was through regular mode).But if you open the expert mode
and fiddle around with ISO and shutter speed, you'll get some really great s
hots (1st and 3rd pic).The battery life before update gave a decent 6+hr SO
T, but after update it's around 9hr which is simply amazing.Also the refresh
rate was 120Hz, so if you limit it to 60 you may see even better battery lif
e.I would highly recommend this de...READ MORE",

"Display is goodmobile seems very awesome when you hold in your hands batte
ry drains like nothing inside .pathetic battery drain....you need to charge
twice a day can't relat on battery back up if you are heavy user stay away f
rom this mobile l.instead of buying a fast charger buy a powerbank you will
need it for sureREAD MORE",

'I have been an Android user for the past 13 years I have never seen such
a great camera performance in any Android display is best Camera 5/5Battery
4/5Display 5/5Performance 3.5/5Charging speed 3.5/5Product of quality is wor
th for every penny u payREAD MORE',

"I'm writing this review after using it for around 72hrs and so far I feel
that this is quite a balanced phone. Lets address the cons first:1. Software
is filled with lot of bugs (hoping that they fix it in near future) 2. Somet
imes phone's refresh rate drops significantly 3. Earlier today, phone didn't
detect sim, had to reinsert4. Connected devices have to be disconnected indi
viduallyNow lets talk about the reasons to buy:1. Unique phone2. Good built,
weight distribution is even, fee...READ MORE",

'Awsome Just New Look A Refreshed New LauncherAwsome Camera Setup The Pictu
re Is Definitely Clear...Battery Runs GoodSoftware Experience Is Just Awsome
Clean Fast And Safe Android To UseThe Back Lighting Is Also The Newer Look
....READ MORE',

"Finally after months of waiting I got it on 13th july one day after the la
unch, excited AF!! .the phone looks fantastic , the in hand feel is soo grea
t that you wont go back to another phone after using this one... the cameras
on the phone are great!! I haven't tested them yet but the initial pics and
videos were superb.. the video stabilization is excellent!!! ik this feels a
ll too good but there are a few downsides to buying a phone from a new compa
ny after all... the ui is refined i agre...READ MORE",

'Pretty average phone. I always prioritise display and battery life, when b
uying a new phone. Based on the hype, with hdr10 display & 10 bit colours, y
ou would expect a good display. But, Believe me pixel4A has a more vibrant,
saturated display. Nothing phone has an average display. You can see the pix
els close up. The glossy and color factor is missing.Camera is dead average.
Again pixel 4a has a better camera, which is almost close to iPhone. Nothing
phone camera is not at all sharp. Noise...READ MORE',

'In one liner worthy for the amount spent. Impressive looks. Haptics are go
od. UI is cool and refresh rate is awesome with 130Hz. You can switch the re
fresh rate too. Touch sensitivity is good but definitely need screenguard fo
r smooth handling. Glassy finish with transparent back attracts. Selfish cam

is pretty good. Yet to test primary cameras during Day light. Phone is very very light weight. One small issue is like other phones mild heating occurs while using heavy apps or parallel usage o...READ MORE',

"I am not a Nothing brand promoter, based on my 5 day's of usage i am sharing my experience, i feel great because This Nothing phone made Apple phone users to look at me (feels great because the built quality is very good).Display is awesome.Camera especially videos stabilization and photos are brilliant.Performance is good till now I didn't feel any lag.Battery easily one day.(compared with the OnePlus 10pro, Nothing is better than anything) Something Different, a very good phone.It ha...READ MORE"]

Customer Review Uploaded Time

In [77]:

```
crut=soup.find_all("p",class="_2sc7ZR")
print(crut)
```

```
[<p class="_2sc7ZR _2V5EHH">Vidyadhar Reddy</p>, <p class="_2sc7ZR">4months ago</p>, <p class="_2sc7ZR _2V5EHH">Mohit Choudhary</p>, <p class="_2sc7ZR">3months ago</p>, <p class="_2sc7ZR _2V5EHH">Deepak Singh</p>, <p class="_2sc7ZR">3months ago</p>, <p class="_2sc7ZR _2V5EHH">Prasanth M A</p>, <p class="_2sc7ZR">3months ago</p>, <p class="_2sc7ZR _2V5EHH">Anupam Kumar</p>, <p class="_2sc7ZR">3months ago</p>, <p class="_2sc7ZR _2V5EHH">Manan Chitaliya</p>, <p class="_2sc7ZR">3months ago</p>, <p class="_2sc7ZR _2V5EHH">Keshav Singh</p>, <p class="_2sc7ZR">3months ago</p>, <p class="_2sc7ZR _2V5EHH">Muddu Kishan</p>, <p class="_2sc7ZR">3months ago</p>, <p class="_2sc7ZR _2V5EHH">Mounica Pasulapati</p>, <p class="_2sc7ZR">4months ago</p>, <p class="_2sc7ZR _2V5EHH">Chethan A</p>, <p class="_2sc7ZR">3months ago</p>]
```

In [78]:

```
cus_rut=[]
for i in range(0,len(crut)):
    cus_rut.append(crut[i].get_text())
cus_rut[1::2]
```

Out[78]:

```
['4months ago',
 '3months ago',
 '3months ago',
 '3months ago',
 '3months ago',
 '3months ago',
 '3months ago',
 '3months ago',
 '3months ago',
 '4months ago',
 '3months ago']
```

Tabular Structure of Customer Review

In [79]:

```

rdf=pd.DataFrame()
rdf["Customer_Names"]=cust_nm
rdf["Comments"]=com_cus
rdf["Reviews"]=rev_cus
rdf["Time"]=(cus_rut[1::2])
rdf

```

Out[79]:

	Customer_Names	Comments	Reviews	Time
0	Vidyadhar Reddy	Decent Phone, but not Great. Maybe, my opinion...	Exchanged my OnePlus 5 as there was an amazing...	4months ago
1	Mohit Choudhary	Best in the market!	The camera is amazing.I've attached the sample...	3months ago
2	Deepak Singh	Did not meet expectations	Display is goodmobile seems very awesome when ...	3months ago
3	Prasanth M A	Wonderful	I have been an Android user for the past 13 ...	3months ago
4	Anupam Kumar	Nice product	I'm writing this review after using it for aro...	3months ago
5	Manan Chitaliya	Excellent	Awsome Just New Look A Refreshed New LauncherA...	3months ago
6	Keshav Singh	Nice product	Finally after months of waiting I got it on 13...	3months ago
7	Muddu Kishan	Waste of money!	Pretty average phone. I always prioritise disp...	3months ago
8	Mounica Pasulapati	Terrific	In one liner worthy for the amount spent. Impr...	4months ago
9	Chethan A	Mind-blowing purchase	I am not a Nothing brand promoter, based on my...	3months ago

In [80]:

```

rdf.to_csv("Top 10 Review of Nothing Phone 1",index=False)

```

In [81]:

```
rdf1=pd.read_csv("Top 10 Review of Nothing Phone 1")
rdf1
```

Out[81]:

	Customer_Names	Comments	Reviews	Time
0	Vidyadhar Reddy	Decent Phone, but not Great. Maybe, my opinion...	Exchanged my OnePlus 5 as there was an amazing...	4months ago
1	Mohit Choudhary	Best in the market!	The camera is amazing.I've attached the sample...	3months ago
2	Deepak Singh	Did not meet expectations	Display is goodmobile seems very awesome when ...	3months ago
3	Prasanth M A	Wonderful	I have been an Android user for the past 13 ...	3months ago
4	Anupam Kumar	Nice product	I'm writing this review after using it for aro...	3months ago
5	Manan Chitaliya	Excellent	Awsome Just New Look A Refreshed New LauncherA...	3months ago
6	Keshav Singh	Nice product	Finally after months of waiting I got it on 13...	3months ago
7	Muddu Kishan	Waste of money!	Pretty average phone. I always prioritise disp...	3months ago
8	Mounica Pasulapati	Terrific	In one liner worthy for the amount spent. Impr...	4months ago
9	Chethan A	Mind-blowing purchase	I am not a Nothing brand promoter, based on my...	3months ago

In []: