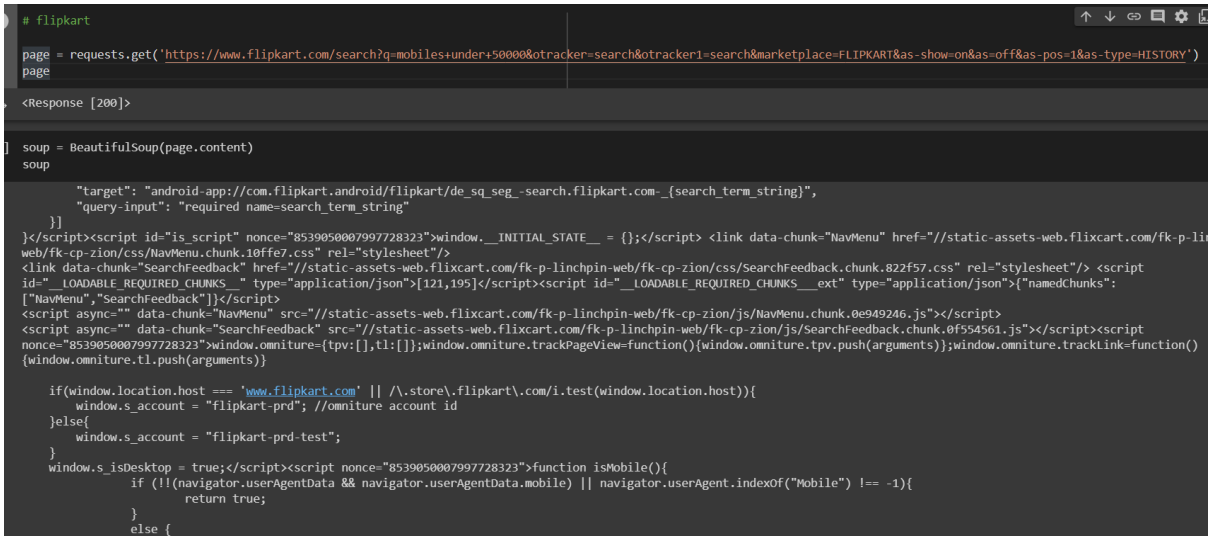
PROJECT ON WEBSCRAPPING

Flipkart

```
# imports
import requests
import numpy as np
import pandas as pd
from bs4 import BeautifulSoup
import matplotlib.pyplot as plt

%matplotlib inline
```



```
# flipkart

page = requests.get('https://www.flipkart.com/search?q=mobiles+under+50000&otracker=search&otracker1=search&marketplace=FLIPKART&as-show=on&as=off&as-pos=1&as-type=HISTORY')
page
```

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

```
soup = BeautifulSoup(page.content)
soup
```

```
        "target": "android-app://com.flipkart.android/flipkart/de_sq_seg_-search.flipkart.com-_{search_term_string}",
        "query-input": "required name=search_term_string"
    }]
}</script><script id="is_script" nonce="8539050007997728323">window.__INITIAL_STATE__ = {};</script> <link data-chunk="NavMenu" href="//static-assets-web.flixcart.com/fk-p-linchpin-
web/fk-cp-zion/css/NavMenu.chunk.10ffe7.css" rel="stylesheet"/>
<link data-chunk="SearchFeedback" href="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/css/SearchFeedback.chunk.822f57.css" rel="stylesheet"/> <script
id="__LOADABLE_REQUIRED_CHUNKS__" type="application/json">[121,195]</script><script id="__LOADABLE_REQUIRED_CHUNKS___ext" type="application/json">{"namedChunks":
["NavMenu","SearchFeedback"]}</script>
<script async="" data-chunk="NavMenu" src="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/js/NavMenu.chunk.0e949246.js"></script>
<script async="" data-chunk="SearchFeedback" src="//static-assets-web.flixcart.com/fk-p-linchpin-web/fk-cp-zion/js/SearchFeedback.chunk.0f554561.js"></script><script
nonce="8539050007997728323">window.omniture={tpv:[],tl:[]};window.omniture.trackPageView=function(){window.omniture.tpv.push(arguments)};window.omniture.trackLink=function()
{window.omniture.tl.push(arguments)}

    if(window.location.host === 'www.flipkart.com' || /\.store\.flipkart\.com/i.test(window.location.host)){
        window.s_account = "flipkart-prd"; //omniture account id
    }else{
        window.s_account = "flipkart-prd-test";
    }
    window.s_isDesktop = true;</script><script nonce="8539050007997728323">function isMobile(){
            if (!!(navigator.userAgentData && navigator.userAgentData.mobile) || navigator.userAgent.indexOf("Mobile") !== -1){
                return true;
            }
            else {
```

```
mobile = soup.find('div',class_='_4rR01T')
mobile
```

```
<div class="_4rR01T">SAMSUNG Galaxy S21 FE 5G (White, 128 GB)</div>
```

```
mobile.text
```

```
'SAMSUNG Galaxy S21 FE 5G (White, 128 GB)'
```

```
l1=[]         # mobile name
for i in mobile:
  l1.append(i.text.replace('(Black, 128 GB)',''))
l1
```

```
['SAMSUNG Galaxy S21 FE 5G (White, 128 GB)']
```

```
mobile1 = soup.find('li', class_='rgWa7D')
mobile1
```

```
<li class="rgWa7D">8 GB RAM | 128 GB ROM</li>
```

```
mobile1.text
```

```
'8 GB RAM | 128 GB ROM'
```

```
l2=[]        # mob discription
for i in mobile1:
  l2.append(i.text)
l2
```

```
['8 GB RAM | 128 GB ROM']
```

```
mobile2 = soup.find('div',class_='_30jeq3 _1_WHN1')
mobile2
```

```
<div class="_30jeq3 _1_WHN1">₹31,999</div>
```

```
mobile2.text
```

```
'₹31,999'
```

```
l3=[]          # mobile price
for i in mobile2:
  l3.append(i.text)
l3
```

```
['₹31,999']
```

```
import pandas as pd
```

```
iphone=pd.DataFrame({})
iphone['mobile_name']=l1
iphone['mob_discr']=l2
iphone['mob_price']=l3
iphone
```

	mobile_name	mob_discr	mob_price
0	SAMSUNG Galaxy S21 FE 5G (White, 128 GB)	8 GB RAM | 128 GB ROM	₹31,999

```
iphone.to_csv('Iphone11')
```