In [1]:
```
import requests
from bs4 import BeautifulSoup
import pandas as pd
import requests
```

In [2]:
```
import requests

cookies = {
    '_dy_csc_ses': 't',
    '_dy_c_exps': '',
    'showCBAPayments': 'true',
    'cookieToggle_showCBAPayments': 'true',
    'sss_vl': 'true',
    '_gcl_au': '1.1.415996379.1666175722',
    'BVBRANDID': 'ee452b0f-04db-46dd-90bd-87f29a23ea35',
    '_dycnst': 'dg',
    'IR_gbd': 'myer.com.au',
    '_gid': 'GA1.3.1865356940.1666175724',
    '_dyid': '1229482906609751337',
    '_dyfs': '1666175723761',
    '_dysession': '2c355a7cbb8c226d039b722eeeaa0636',
    '_dycst': 'dk.w.c.ws.',
    '_dy_geo': 'AU.OC.AU_VIC.AU_VIC_Melbourne',
    '_dy_df_geo': 'Australia..Melbourne',
    '_dy_c_att_exps': '',
    'hjSessionUser_767111': 'eyJpZCI6Im4YMWI1ZGFkLTljNzItNTVkNSisNWU4LTMxMTFjMmM4Y2I0YSIsIndyZWF0ZWQiOjE2NjYxNzU3MjIwMzAsIm4xNXBaWSn1jpOcnVlfQ==',
    '_hjSession_767111': 'eyJpZCI6IjcxYThmYmYwLWZkZTItNDZmMC04M2JmLTY3YWY0MTNmMzJkMSIsInNyZWF0ZWQiOjE2NjYxNjA4ODQxNTIsIm1uZ2FtcGxlIjpmYWxzZX0=',
    '_hjAbsoluteSessionInProgress': '0',
    'IR_PI': 'a39d335d-4f80-11ed-be9d-935289da9a9a%7C1666347284703',
    'BVBRANDSID': '055c74ab-a058-4a49-b5a0-69e69a61dbc7',
    'dy_fs_page': 'www.myer.com.au%2Fc%2Fnew-in%3Fpagenumber%3D1',
    '_dc_gtm_UA-64941668-1': '1',
    '_dy_ses_load_seq': '52548%3A1666261835137',
    'KP_UIDz-ssn': 'OapHWY19TQBo6T534yo3BdZWXhoS9SWMhvJQJQlEKGA1lABPeTT7KTaXwHgOKm4yc6y00P7ZpE2mxtDbnelNqGxy9FZRDMA7w3QovGboaCF6nLJ7mDX9f9f13g3qoZg2MplXMqDyEOwspbDIMKbDypgqDdJd',
    'KP_UIDz': 'OapHWY19TQBo6T534yo3BdZWXhoS9SWMhvJQJQlEKGA1lABPeTT7KTaXwHgOKm4yc6y00P7ZpE2mxtDbnelNqGxy9FZRDMA7w3QovGboaCF6nLJ7mDX9f9f13g3qoZg2MplXMqDyEOwspbDIMKbDypgqDdJd',
    'IR_15706': '1666261843611%7C5%7C1666261843611%7C5%7C',
    '_dy_soct': '332002.535194.1666261838*352385.578211.1666167572*481719.1129424.1666261838*521909.987837.1666261838*526536.1000957.1666261839*535847.10298',
    '_dy_lu_ses': '2c355a7cbb8c226d039b722eeeaa0636%3A1666261844488',
    '_dy_toffset': '-7',
    cto_bundle': 'XxuosI96OWNkaB0YbeFVEQzkwVjBUNnJwRGFBN2QlMkZhViUyRnkxcmFBZm54dDFDaWFIRFVoMjVac2RuSmNUZG5kSTd2YTRHUjhrcHhHcEc5YWozQ1pXJTJCYkkyMEc2dVZDUlRDVBN2S2hwJTJGYXBWeGlhdno4UX',
    '_ga': 'GA1.3.1046441093.1666175723',
    '_ga_QYB18V4LW2': 'GS1.1.1666260884.2.1.1666261866.0.0.0',
    '_ga_YKCTBDN9JH': 'GS1.1.1666260884.2.1.1666261867.0.0.0',
}

headers = {
    'authority': 'api-online.myer.com.au',
    'accept': 'application/json, text/plain, */*',
    'accept-language': 'en-GB,en-US;q=0.9,en;q=0.8',
    # Requests sorts cookies= alphabetically
    # 'cookie': '_dy_csc_ses=t; _dy_c_exps=; showCBAPayments=true; cookieToggle_showCBAPayments=true; sss_vl=true; _gcl_au=1.1.415996379.1666175722; BVBRANDID=ee452b0f-04db-46dd-90b
    'origin': 'https://www.myer.com.au',
    'referer': 'https://www.myer.com.au/',
    'sec-ch-ua': '"Chromium";v="106", "Google Chrome";v="106", "Not;A=Brand";v="99"',
    'sec-ch-ua-mobile': '?0',
    'sec-ch-ua-platform': '"Windows"',
    'sec-fetch-dest': 'empty',
    'sec-fetch-mode': 'cors',
    'sec-fetch-site': 'same-site',
    'user-agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/106.0.0.0 Safari/537.36',
}

params = {
    'pageNumber': '1',
    'pageSize': '48',
    'facets': '',
    'categoryUrlId': '/women/all-women',
    'variants': '',
}

response = requests.get('https://api-online.myer.com.au/v3/product/cat/byseo/all-women', params=params, cookies=cookies, headers=headers)
```

In [3]:
```
responce=response.json()
```

In [4]:
```
response.keys()
```

Out[4]:
```
dict_keys(['category', 'productTotalCount', 'productsPerPage', 'sort', 'offset', 'facetList', 'productList', 'responseId'])
```

In [5]:
```
items=response['productList']
```

In [6]:
```
brand=items[0]['brand']
```

In [7]:
```
brand
```

Out[7]:
```
'Y.A.S'
```

In [8]:
```
id=items[0]['id']
```

In [9]:
```
id
```

Out[9]:
```
'925126930'
```

In [10]:
```
discount_price=items[0]['priceFrom']
```

In [11]:
```
original_price=items[0]['listPriceTo']
```

In [12]:
```
save_amount=items[0]['savedAmountTo']
```

In [13]:
```
color=items[0]['variantData'][0]['colour']
```

In [14]:
```
Product_name=items[0]['name']
```

In [15]:
```
def fun(items):
    product_name=[]
    brand=[]
    product_id=[]
    discount_price=[]
    original_price=[]
    save_amount=[]
    color=[]



    for a in items:
        try:
            product_name.append(a['name'])
        except:
            product_name.append('null')
        try:
            brand.append(a['brand'])
        except:
            brand.append('null')
        try:
            product_id.append(a['id'])
        except:
            product_id.append('null')
        try:
            discount_price.append(a['priceFrom'])
        except:
            discount_price.append('null')
        try:
            original_price.append(a['listPriceTo'])
        except:
            original_price.append('null')
        try:
            save_amount.append(a['savedAmountTo'])
        except:
            save_amount.append('null')
        try:
            color.append(a['variantData'][0]['colour'])
        except:
            color.append('null')


    return product_name,brand,product_id,discount_price,original_price,save_amount,color
```

In [16]:
```
product_name,brand,product_id,discount_price,original_price,save_amount,color=fun(items)
```

In [17]:
```
len(brand)
```

Out[17]:
```
48
```

In [18]:
```
product_name=[]
brand=[]
product_id=[]
discount_price=[]
original_price=[]
save_amount=[]
color=[]
for i in range(0,101):
    cookies = {
        '_dy_csc_ses': 't',
        '_dy_c_exps': '',
        'showCBAPayments': 'true',
        'cookieToggle_showCBAPayments': 'true',
        'sss_vl': 'true',
        '_gcl_au': '1.1.415996379.1666175722',
        'BVBRANDID': 'ee452b0f-04db-46dd-90bd-87f29a23ea35',
        '_dycnst': 'dg',
        'IR_gbd': 'myer.com.au',
        '_gid': 'GA1.3.1865356940.1666175724',
        '_dyid': '1229482906609751337',
        '_dyfs': '1666175723761',
        '_dysession': '2c355a7cbb8c226d039b722eeeaa0636',
        '_dycst': 'dk.w.c.ws.',
        '_dy_geo': 'AU.OC.AU_VIC.AU_VIC_Melbourne',
        '_dy_df_geo': 'Australia..Melbourne',
        '_dy_c_att_exps': '',
        '_hjSessionUser_767111': 'eyJpZCI6Im4YMWI1ZGFkLTljNzItNTVkNSisNWU4LTMxMTFjMmM4Y2I0YSIsIndyZWF0ZWQiOjE2NjYxNzU3MjIwMzAsIm4xNXBaWSn1jpOcnVlfQ==',
        '_hjSession_767111': 'eyJpZCI6IjcxYThmYmYwLWZkZTItNDZmMC04M2JmLTY3YWY0MTNmMzJkMSIsInNyZWF0ZWQiOjE2NjYxNjA4ODQxNTIsIm1uZ2FtcGxlIjpmYWxzZX0=',
        '_hjAbsoluteSessionInProgress': '0',
        'IR_PI': 'a39d335d-4f80-11ed-be9d-935289da9a9a%7C1666347284703',
        'BVBRANDSID': '055c74ab-a058-4a49-b5a0-69e69a61dbc7',
        'dy_fs_page': 'www.myer.com.au%2Fc%2Fnew-in%3Fpagenumber%3D1',
        '_dc_gtm_UA-64941668-1': '1',
        '_dy_ses_load_seq': '52548%3A1666261835137',
        'KP_UIDz-ssn': 'OapHWY19TQBo6T534yo3BdZWXhoS9SWMhvJQJQlEKGA1lABPeTT7KTaXwHgOKm4yc6y00P7ZpE2mxtDbnelNqGxy9FZRDMA7w3QovGboaCF6nLJ7mDX9f9f13g3qoZg2MplXMqDyEOwspbDIMKbDypgqDdJd',
        'KP_UIDz': 'OapHWY19TQBo6T534yo3BdZWXhoS9SWMhvJQJQlEKGA1lABPeTT7KTaXwHgOKm4yc6y00P7ZpE2mxtDbnelNqGxy9FZRDMA7w3QovGboaCF6nLJ7mDX9f9f13g3qoZg2MplXMqDyEOwspbDIMKbDypgqDdJd',
        'IR_15706': '1666261843611%7C5%7C1666261843611%7C5%7C',
        '_dy_soct': '332002.535194.1666261838*352385.578211.1666167572*481719.1129424.1666261838*521909.987837.1666261838*526536.1000957.1666261839*535847.1
        '_dy_lu_ses': '2c355a7cbb8c226d039b722eeeaa0636%3A1666261844488',
        '_dy_toffset': '-7',
        cto_bundle': 'XxuosI96OWNkaB0YbeFVEQzkwVjBUNnJwRGFBN2QlMkZhViUyRnkxcmFBZm54dDFDaWFIRFVoMjVac2RuSmNUZG5kSTd2YTRHUjhrcHhHcEc5YWozQ1pXJTJCYkkyMEc2dVZDUlRDVBN2S2hwJTJGYXBWeGlhd
        '_ga': 'GA1.3.1046441093.1666175723',
        '_ga_QYB18V4LW2': 'GS1.1.1666260884.2.1.1666261866.0.0.0',
        '_ga_YKCTBDN9JH': 'GS1.1.1666260884.2.1.1666261867.0.0.0',
        }

    headers = {
        'authority': 'api-online.myer.com.au',
        'accept': 'application/json, text/plain, */*',
        'accept-language': 'en-GB,en-US;q=0.9,en;q=0.8',
    # Requests sorts cookies= alphabetically
    # 'cookie': '_dy_csc_ses=t; _dy_c_exps=; showCBAPayments=true; cookieToggle_showCBAPayments=true; sss_vl=true; _gcl_au=1.1.415996379.1666175722; BVBRANDID=ee452b0f-04db-46dd-90b
        'origin': 'https://www.myer.com.au',
        'referer': 'https://www.myer.com.au/',
        'sec-ch-ua': '"Chromium";v="106", "Google Chrome";v="106", "Not;A=Brand";v="99"',
        'sec-ch-ua-mobile': '?0',
        'sec-ch-ua-platform': '"Windows"',
        'sec-fetch-dest': 'empty',
        'sec-fetch-mode': 'cors',
        'sec-fetch-site': 'same-site',
        'user-agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/106.0.0.0 Safari/537.36',
        }

    params = {
        'pageNumber': str(i),
        'pageSize': '48',
        'facets': '',
        'categoryUrlId': '/women/all-women',
        'variants': '',
        }

    response = requests.get('https://api-online.myer.com.au/v3/product/cat/byseo/all-women', params=params, cookies=cookies, headers=headers)
    responce=response.json()
    items=responce['productList']
    for a in items:
        try:
            product_name.append(a['name'])
        except:
            product_name.append('null')
        try:
            brand.append(a['brand'])
        except:
            brand.append('null')
        try:
            product_id.append(a['id'])
        except:
            product_id.append('null')
        try:
            discount_price.append(a['priceFrom'])
        except:
            discount_price.append('null')
        try:
            original_price.append(a['listPriceTo'])
        except:
            original_price.append('null')
        try:
            save_amount.append(a['savedAmountTo'])
        except:
            save_amount.append('null')
        try:
            color.append(a['variantData'][0]['colour'])
        except:
            color.append('null')
```

In [19]:
```
len(brand)
```

Out[19]:
```
4848
```

In [20]:
```
len(save_amount)
```

Out[20]:
```
4848
```

Create DataFrame

In [21]:
```
data=pd.DataFrame({'product_name':product_name, 'brand':brand, 'product_id':product_id, 'discount_price':discount_price,
                   ' original_price': original_price, ' save_amount': save_amount, 'color':color})
```

In [22]:
```
data
```

Out[22]:

	product_name	brand	product_id	discount_price	original_price	save_amount	color
0	Dala Dress in Sky Captain	Y.A.S	925126930	127.40	169.95	42.49	Navy
1	Iris Leather Cross Body	French Connection	911243440	99.95	179.95	80	Mocha
2	Rhinestone Pant in Peridot Green	Veronika Maine	947051290	149.50	299.00	149.5	Pistachio
3	Argyle Knit in Silver	Marcs	915022990	119.00	169.95	50.95	Silver
4	Holi Midi Cotton Embroidery Skirt in Star White	Y.A.S	923022910	119.95	119.95	null	White
...	...	...	...	...	...	...	...
4843	Link White Fabric Sneakers	Sandler	830283400	52.46	69.95	17.49	White
4844	Smooth With Lace G-String In Beige	Soho	883217170_883338220	13.95	13.95	null	Beige
4845	Rally Black Glove Sandals	Jane Debster	903860140	104.96	139.95	34.99	Black
4846	Outplay Running Short Black	LURV	902373130	39.50	79.00	39.5	Black
4847	Cotton Repeat Logo Waistband Thongs Briefs 3 P...	Tommy Hilfiger	898365790	59.95	59.95	null	Assorted

4848 rows × 7 columns

In [ ]:

In [50]:
```
import sqlalchemy
data.to_excel('myer_data.xlsx', index=False)
```

Connect to PostgreSql database

In [56]:
```
engine = sqlalchemy.create_engine('postgres://postgres:Prince123@localhost:5432')
data.to_sql('myer_data', engine)
```

In [ ]: