In [2]:
```
from bs4 import BeautifulSoup as bs
import pandas as pd
import requests
import selenium
import time
```

In [3]:

```
#importing web driver ,keys and by
from selenium import webdriver
from selenium.webdriver.common.keys import Keys
from selenium.webdriver.common.by import By

#actual address
root_address = "https://coinmarketcap.com/"
driver = webdriver.Chrome()

#for next page
pages = []
for page_number in range(1,3):
    pages.append(root_address + '?page=' + str(page_number))

#for storing data
name_list = []
price_list = []
marketcap_list = []
volume24h_list = []
_1h_list = []
_24h_list = []
_7d_list = []

#highlight button
for address in pages:
    driver.get(address)
    time.sleep(1)
    if address == 'https://coinmarketcap.com/?page=1':
        button = driver.find_element(By.XPATH, "//label[@id='1'][@class='yuf3hb-1
        button.click()

    #scrolling through the page
#     link = driver.current_url
    element = driver.find_element(By.TAG_NAME , 'body')
    element.send_keys(Keys.PAGE_DOWN)
    if page_number < 3:
        t=0
        while t <= 18 :
            element.send_keys(Keys.PAGE_DOWN)
            time.sleep(2)
            t += 1

#     page = requests.get(link)

    #names
    for i in range(1,101):
        path="//*[@id='__next']/div/div[1]/div[2]/div/div[1]/div[5]/table/tbody/t
        path=path+f"[{i}]/td[3]/div/a/div/div/p"
        name = driver.find_element(By.XPATH , path).text
        name_list.append(name)

    #price
    for i in range(1,101):
        path="//*[@id='__next']/div/div[1]/div[2]/div/div[1]/div[5]/table/tbody/t
        path=path+f"[{i}]/td[4]/div/a/span"
        price = driver.find_element(By.XPATH , path).text
```

```
    price_list.append(price)

#1h%
for i in range(1,101):
    path="//*[@id='__next']/div/div[1]/div[2]/div/div[1]/div[5]/table/tbody/t
    path=path+f"[{i}]/td[5]/span"
    _1h = driver.find_element(By.XPATH , path).text
    _1h_list.append(_1h)

#24%
for i in range(1,101):
    path="//*[@id='__next']/div/div[1]/div[2]/div/div[1]/div[5]/table/tbody/t
    path=path+f"[{i}]/td[6]/span"
    _24h = driver.find_element(By.XPATH , path).text
    _24h_list.append(_24h)

#7d
for i in range(1,101):
    path="//*[@id='__next']/div/div[1]/div[2]/div/div[1]/div[5]/table/tbody/t
    path=path+f"[{i}]/td[7]/span"
    _7d = driver.find_element(By.XPATH , path).text
    _7d_list.append(_7d)

#marketcap
for i in range(1,101):
    path="//*[@id='__next']/div/div[1]/div[2]/div/div[1]/div[5]/table/tbody/t
    path=path+f"[{i}]/td[8]/p/span[2]"
    marketcap = driver.find_element(By.XPATH , path).text
    marketcap_list.append(marketcap)

#volume(24h)
for i in range(1,101):
    path="//*[@id='__next']/div/div[1]/div[2]/div/div[1]/div[5]/table/tbody/t
    path=path+f"[{i}]/td[9]/div/a/p"
    volume24h = driver.find_element(By.XPATH , path).text
    volume24h_list.append(volume24h)

#tabular form
df=pd.DataFrame()
df['Name'] = name_list
df['Price'] = price_list
df['1h %'] = _1h_list
df['24h %'] = _24h_list
df['7d %'] = _7d_list
df['Market Cap'] = marketcap_list
df['Volume(24h)'] = volume24h_list
print(df)
```

In [4]:
```
df
```

Out[4]:

	Name	Price	1h %	24h %	7d %	Market Cap	Volume(24h)
0	Bitcoin	$19,216.77	0.07%	1.61%	0.35%	$368,641,950,043	$28,858,716,266
1	Ethereum	$1,300.07	0.01%	1.65%	0.14%	$159,094,634,229	$9,927,523,673
2	Tether	$1.00	0.00%	0.01%	0.02%	$68,465,144,584	$38,291,269,595
3	USD Coin	$1	0.00%	0.00%	0.01%	$44,547,450,805	$2,840,240,577
4	BNB	$271.79	0.08%	0.21%	0.34%	$43,692,182,566	$558,635,078
...	...	...	...	...	...	...	...
195	Nano	$0.7278	0.18%	2.03%	5.50%	$97,234,379	$1,517,033
196	Velas	$0.04156	0.95%	1.87%	8.03%	$97,000,824	$1,083,422
197	ConstitutionDAO	$0.01873	0.53%	4.34%	14.61%	$94,730,567	$24,985,239
198	Status	$0.02725	0.02%	3.59%	2.58%	$94,444,585	$6,907,903
199	Phala Network	$0.2325	0.26%	8.76%	188.98%	$94,358,727	$208,544,042

200 rows × 7 columns

In [10]:
```
print(len(name_list),len(price_list),len(marketcap_list),len(volume24h_list),len(
```

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200 200 200 200 200 200 200
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In [ ]:
```

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