

In [1]:

```
import selenium
from selenium import webdriver

import time
from selenium.webdriver.common.keys import Keys
from selenium.webdriver.support import expected_conditions as EC
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.common.by import By
from selenium.webdriver.support.select import Select
```

In [2]:

```
driver=webdriver.Edge(executable_path='C:/Users/RAVI KUMAR RUNGTA/webdrivers/msedgedriver')
driver
```

Out[2]:

```
<selenium.webdriver.edge.webdriver.WebDriver (session="54fef99f91591ce28513f144c192a0c7")>
```

In [3]:

```
driver.get("https://www.instagram.com/")
```

In [4]:

```
#1
username=driver.find_element_by_name("username")
username.send_keys("SAMEPLE USERNAME")
password=driver.find_element_by_name("password")
password.send_keys("SMPLP PASSWORD")
login=driver.find_element_by_tag_name("button")
login.submit()
print("WE have sucessfullly login into instagram")
```

WE have sucessfullly login into instagram

In [20]:

```
#2
search=driver.find_element_by_xpath("//div[contains(@class,'MWDvN')]/div[2]/input")
search.send_keys("food")
#time.sleep to load complete data of search food in search bar
time.sleep(3)
names=driver.find_elements_by_xpath("//div[@class='uyeeR']/span")
print("LIST OF ALL INSTAGRAM HANDLES ARE AS FOLLOWS : ")
print()
for i in names:
    if i.text[0]!="#": #as as-tags starts with # therefore we will not consider it we hav
        print(i.text)
clear=driver.find_element_by_class_name("coreSpriteSearchClear")
clear.click()
```

LIST OF ALL INSTAGRAM HANDLES ARE AS FOLLOWS :

```
foodie_bhubaneswar
dilsefoodie
foodie_022
sprinkling_foodgasm
streetfoodrecipe
foodiesfeature
food
foodrush.recipe
yourfoodlab
foodofchefs
delhifoodguide
thisisdelhi
buzzfeedfood
food__burst
food_lunatic
foodie.raipurian
food_n_travel_click1501
foodytravelmoody
odisha_igers
foodys
food_lab19
authentic_food_values
foodmapdelhi
chattoraaz
non_veg_food
foodie_who_wander
science_and_food
bhukkad_loves_ghar_ka_khana
__food_n_fashion__
foodblogonhomecooking
foodfindo
food_lust16
thehungrymumbaikar
food_destination_
food__diaries_
foodnetwork
raipurfoodielove
foodypreneur
food_and_natsss
__foodpath
joos.food
foodgasm.99
food_fun_food_life
```

```

_flavours_of_food_
_bbarbies_food_express_
foodzyy__
foodcloud.in
food_dynasty_07
_.foodiestan._
food_quotient
love_is_food_67
being_sriman
foodiecouple_parvan

```

In [23]:

```

#3
search=driver.find_element_by_xpath("//div[contains(@class,'MWDvN')]/div[2]/input")
search.send_keys("So Delhi")
time.sleep(3)
name=driver.find_element_by_xpath("//div[@class='uyeeR']/span")
name.click()
time.sleep(5)
bio_of_sodelhi=driver.find_element_by_class_name("-vDIg").text
print(bio_of_sodelhi)

```

So Delhi

Bringing you the coolest things to do in Delhi. Use #SoDelhi on your best finds to get featured here!

www.so.city

Followed by dilsefoodie and singh_vikrant__

In [24]:

```

#4
follow=driver.find_element_by_xpath("//span[contains(@class,'vBF20')]/button")
follow.click()
print("WE HAVE Followed So Delhi Instagram Handle ")
print()
time.sleep(2)
click=driver.find_element_by_xpath("//div[contains(@class,'Igw0E')]/span/span/button").click()
time.sleep(2)
unfollow=driver.find_element_by_xpath("//div[contains(@class,'RnEpo')]/div/div/div/div[3]/button")
unfollow.click()
print("WE HAVE UNFOLLOWED So Delhi Instagram Handle")
time.sleep(1)

```

WE HAVE Followed So Delhi Instagram Handle

WE HAVE UNFOLLOWED So Delhi Instagram Handle

In [66]:

```

#5 LIKE AND UNLIKE OF POST
search=driver.find_element_by_xpath("//div[contains(@class,'MWDvN')]/div[2]/input")
search.send_keys("dilsefoodie")
time.sleep(3)

name=driver.find_element_by_xpath("//div[@class='uyeeR']/span")
name.click()
time.sleep(5)
#as each div contains 3 post and initialy 4 divs are present so, we have 3*4=12 post theref
count=0
while (count<3):
    current_height=driver.execute_script("return document.body.scrollHeight;")
    driver.execute_script("window.scrollTo(0,arguments[0]);",current_height)
    new_height=driver.execute_script("return document.body.scrollHeight;")
    current_height=new_height
    count+=1
#scrolling is done
#Liking post
print("LIKE PART")
print()
div="//div[@class='_2z6nI']/article/div/div/div/div"
click=driver.find_element_by_xpath(div)
click.click()
time.sleep(2)
for i in range(30):
    driver.find_element_by_class_name("fr66n").click()
    print("POST NO ",i+1," IS LIKED")
    driver.find_element_by_xpath("//div[@class='DdSX2']/a[last()]").click()
    time.sleep(4)
#UNLIKE PART
print()
print("UNLIKE PART")
print()
driver.refresh()
time.sleep(5)
search=driver.find_element_by_xpath("//div[contains(@class,'MWDvN')]/div[2]/input")
search.send_keys("dilsefoodie")
time.sleep(3)

name=driver.find_element_by_xpath("//div[@class='uyeeR']/span")
name.click()
time.sleep(5)
#as each div contains 3 post and initialy 4 divs are present so, we have 3*4=12 post theref
count=0
while (count<4):
    current_height=driver.execute_script("return document.body.scrollHeight;")
    driver.execute_script("window.scrollTo(0,arguments[0]);",current_height)
    new_height=driver.execute_script("return document.body.scrollHeight;")
    current_height=new_height
    count+=1
#scrolling is done
#Liking post
url=driver.current_url
div="//div[@class='_2z6nI']/article/div/div/div/div"
click=driver.find_element_by_xpath(div)
click.click()
time.sleep(2)
for i in range(30):
    driver.find_element_by_class_name("fr66n").click()

```

```
print("POST NO ",i+1," IS UNLIKED")
driver.find_element_by_xpath("//div[@class='DdSX2']/a[last()]").click()
time.sleep(4)
driver.refresh()
```

LIKE PART

```
POST NO 1 IS LIKED
POST NO 2 IS LIKED
POST NO 3 IS LIKED
POST NO 4 IS LIKED
POST NO 5 IS LIKED
POST NO 6 IS LIKED
POST NO 7 IS LIKED
POST NO 8 IS LIKED
POST NO 9 IS LIKED
POST NO 10 IS LIKED
POST NO 11 IS LIKED
POST NO 12 IS LIKED
POST NO 13 IS LIKED
POST NO 14 IS LIKED
POST NO 15 IS LIKED
POST NO 16 IS LIKED
POST NO 17 IS LIKED
POST NO 18 IS LIKED
POST NO 19 IS LIKED
POST NO 20 IS LIKED
POST NO 21 IS LIKED
POST NO 22 IS LIKED
POST NO 23 IS LIKED
POST NO 24 IS LIKED
POST NO 25 IS LIKED
POST NO 26 IS LIKED
POST NO 27 IS LIKED
POST NO 28 IS LIKED
POST NO 29 IS LIKED
POST NO 30 IS LIKED
```

UNLIKE PART

```
POST NO 1 IS UNLIKED
POST NO 2 IS UNLIKED
POST NO 3 IS UNLIKED
POST NO 4 IS UNLIKED
POST NO 5 IS UNLIKED
POST NO 6 IS UNLIKED
POST NO 7 IS UNLIKED
POST NO 8 IS UNLIKED
POST NO 9 IS UNLIKED
POST NO 10 IS UNLIKED
POST NO 11 IS UNLIKED
POST NO 12 IS UNLIKED
POST NO 13 IS UNLIKED
POST NO 14 IS UNLIKED
POST NO 15 IS UNLIKED
POST NO 16 IS UNLIKED
POST NO 17 IS UNLIKED
POST NO 18 IS UNLIKED
POST NO 19 IS UNLIKED
POST NO 20 IS UNLIKED
```

POST NO	21	IS UNLIKED
POST NO	22	IS UNLIKED
POST NO	23	IS UNLIKED
POST NO	24	IS UNLIKED
POST NO	25	IS UNLIKED
POST NO	26	IS UNLIKED
POST NO	27	IS UNLIKED
POST NO	28	IS UNLIKED
POST NO	29	IS UNLIKED
POST NO	30	IS UNLIKED

In [6]:

```

#6 1
print("Followers of foodtalkindia")
print()
def get_followers_username(handle_name):
    driver.get('https://instagram.com/'+handle_name)

    # wait till page is loaded
    wait = WebDriverWait(driver,20) #all imports done on top . No need to import again
    followers = wait.until(EC.presence_of_element_located( (By.PARTIAL_LINK_TEXT, 'follower
    driver.execute_script('arguments[0].click()',followers)

    time.sleep(2) # wait to get list of followers displayed

    while True:
        # locate any element on pop_up page
        obj_created_for_pop_up_scroll = driver.find_element_by_xpath('//a[contains(@class,"
        followers_list = driver.find_elements_by_class_name('wFPL8')
        if len(followers_list) >= 500:
            break
        obj_created_for_pop_up_scroll.send_keys(Keys.END)
        time.sleep(2) # wait to load new followers

    for i in range(500):
        print(str(i+1)+" ",followers_list[i].get_attribute('innerHTML'))

# Get usernames of followers of foodtalkindia
get_followers_username('foodtalkindia')
print()
print("FOLLOWERS OF sodelhi")
print()
get_followers_username('sodelhi')

```

```

276) VISHAL SINGH
277) Kamlesh G. Mali
278) Mohd Chand l All About India
279) Adv_Singh12
280) ♥Mû$$ú♥ مسكن
281) Jasleen Rayat💕
282) Man Agam Singh
283) Waliya Ahmadi
284) 🙏
285) my.cuppa.stories
286) فروشگاه لوازم ساختمانی به بیست
287) शुभ-हम ♥

288) #ASTROLOGER__1008
289) Sheetal Bhalla
290) TOO GOOD AT GOOD-BYES 🏠
291) Rony Arora
292) Unspoken Words
293) r0hit chh0kar
294) Anukriti Agarwal
295)

```

In [19]:

```

#6 2
def get_followers_username(handle_name):
    l1=[]
    driver.get('https://instagram.com/'+handle_name)

    # wait till page is loaded
    wait = WebDriverWait(driver,20) #all imports done on top . No need to import again
    followers = wait.until(EC.presence_of_element_located( (By.PARTIAL_LINK_TEXT, 'follower
    driver.execute_script('arguments[0].click()',followers)

    time.sleep(2) # wait to get list of followers displayed

    while True:
        # locate any element on pop_up page
        obj_created_for_pop_up_scroll = driver.find_element_by_xpath('//a[contains(@class,"
        followers_list = driver.find_elements_by_class_name('wFPL8')
        if len(followers_list) >= 202:
            break
        obj_created_for_pop_up_scroll.send_keys(Keys.END)
        time.sleep(2) # wait to load new followers
    for i in range(len(followers_list)):
        l1.append(followers_list[i].get_attribute('innerHTML'))
    return l1
def get_following_username(handle_name):
    l1=[]
    driver.get('https://instagram.com/'+handle_name)

    # wait till page is loaded
    wait = WebDriverWait(driver,20) #all imports done on top . No need to import again
    followers = wait.until(EC.presence_of_element_located( (By.PARTIAL_LINK_TEXT, 'followin
    driver.execute_script('arguments[0].click()',followers)

    time.sleep(2) # wait to get list of followers displayed

    while True:
        # locate any element on pop_up page
        obj_created_for_pop_up_scroll = driver.find_element_by_xpath('//a[contains(@class,"
        following_list = driver.find_elements_by_class_name('wFPL8')
        if len(following_list) >= 220:
            break
        obj_created_for_pop_up_scroll.send_keys(Keys.END)
        time.sleep(2) # wait to load new followers

    for i in range(len(following_list)):
        l1.append(following_list[i].get_attribute('innerHTML'))
    return l1

l1=get_followers_username("foodtalkindia")#followers of foodtalkindia
l2=get_followers_username("rungta.ravi")#my followers
l3=get_following_username("rungta.ravi")#my following
for i in l1:#we will see all the followers of foodtalkindia
    for j in l3:#and also of my account
        if i==j:#if my following equal to followers of foodindiatalk
            if i not in l2:#and if it is not present in ny followers than print
                print(i)

```

lina
Abhijit Banik

Neha Maggon
Dhwani




In [29]:

```
#7
driver.find_element_by_class_name("cq2ai").click()
time.sleep(5)
search=driver.find_element_by_xpath("//div[contains(@class,'MWDvN')]/div[2]/input")
search.send_keys("coding.ninjas")
time.sleep(3)

name=driver.find_element_by_xpath("//div[@class='uyeeR']/span")
name.click()
time.sleep(4)

bio_of_CODING=driver.find_element_by_class_name("-vDIg").text
print(bio_of_CODING)
sty=driver.find_element_by_xpath("//div[contains(@class,RR-M-)]/span/img")
sty.click()
print()
print("WE WILL GET NO ERROR")
```

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Followed by lively_vardhan_, false_god_13_, pradeepsharma_7447 +5 more

WE WILL GET NO ERROR