

Assignment 7

1. WAP to send the same WhatsApp message to 6 persons.

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Code:

```
from selenium import webdriver

driver = webdriver.Chrome()
driver.get('https://web.whatsapp.com/')

all_names = ['Navodayan Buddies', 'Priya', 'Mummy', 'Bhaiii', 'Papa', 'Rakshu']
msg = 'Testing Message'

for name in all_names:
    user = driver.find_element_by_xpath('//span[@title = "{}"]'.format(name))
    user.click()

    msg_box = driver.find_element_by_class_name('_1Plpp')

    for i in range(count):
        msg_box.send_keys(msg)
        button = driver.find_element_by_class_name('_35EW6')
        button.click()
```

Output:

Rakshu	11:16 AM
✓ Testing Message	
Papa	11:16 AM
✓ Testing Message	
Mummy	11:16 AM
✓ Testing Message	
Bhaiii	11:16 AM
✓ Testing Message	
Priya	11:16 AM
✓ Testing Message	
Navodayan Buddies	11:16 AM
✓ Testing Message	

2. WAP to send a 'Hi' WhatsApp message 5 times to a friend.

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Code:

```
from selenium import webdriver

driver = webdriver.Chrome()
driver.get('https://web.whatsapp.com/')

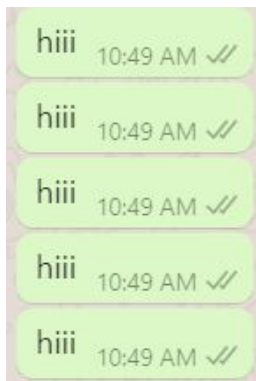
name = input('Enter the name of user or group: ')
msg = input('Enter the message: ')
count = int(input('Enter the total count: '))

user = driver.find_element_by_xpath('//span[@title = "{}"]'.format(name))
user.click()

msg_box = driver.find_element_by_class_name('_1Plpp')

for i in range(count):
    msg_box.send_keys(msg)
    button = driver.find_element_by_class_name('_35EW6')
    button.click()
```

Output:



3. WAP to monitor your friend and save the details in .csv file.

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Code:

```
from selenium import webdriver
import time
from selenium.common import exceptions
import random

driver = webdriver.Chrome()
driver.get('https://web.whatsapp.com/')

filename = 'WaApp_Details.csv'
f1 = open(filename, 'w')

headers = 'Name\t Online-Time\t Offline-Time\n'
f1.write(headers)

input('Enter anything after scanning: ')

all_names = ['Priya', 'Mummy', 'Bhaiii', 'Papa', 'Niku', 'Rakshu']


for name in all_names:
    try:
        user = driver.find_element_by_xpath('//span[@title = "{}"]'.format(name))
        user.click()
        #print(user.text)
        #~~~~~

        time.sleep(5)

        nam = driver.find_element_by_xpath(f"//div[@class='_3KrHh']//span[@class='_1w1pf _3NFp9 _3FXB1'][contains(text(),'({name})')]")
        status = driver.find_element_by_xpath("//span[@class='090ur _3FXB1']")
        t1 = time.ctime()
        t1 = t1[11:19]
        #print(nam)
        #~~~~~
        print(nam.text)
        f1.write("\n" + nam.text)
        #print(status)
        #~~~~~
        if status.text == 'online':
            print(t1)
            f1.write("\t " + t1)
            time.sleep(120)
            status2 = driver.find_element_by_xpath("//span[@class='090ur _3FXB1']")
            if status2.text == 'online':
                print('still online')
                f1.write("\t\t " + "Still Online")
            else:
                print(status2.text[19:24] + ":" + str(random.randint(11,60)))
                f1.write("\t\t " + status2.text[19:24] + ":" + str(random.randint(11,60)))
        else:
            print('None:')
            print('None:')
            f1.write("\t None\t\t\t None"_)

    except exceptions.NoSuchElementException:
        print(name)
        print('None')
        print('None')
        f1.write("\n" + name + "\t None\t\t\t None"_)
```

Output:

1	Name	Online-Time	Offline-Time
2			
3	<u>Priya</u>	12:25:48	12:26:20
4	Mummy	12:27:54	Still Online
5	<u>Bhaiii</u>	12:29:59	12:30:29
6	Papa	None	None
7	<u>Niku</u>	None	None
8	<u>Rakshu</u>	None	None