Importing libraries

In [7]:
```
from selenium import webdriver
from selenium.webdriver.common.by import By
```

Auto join script to join google meets

In [8]:
```
driver = webdriver.Chrome()
driver.get("https://apps.google.com/meet")

input_element = driver.find_element(By.XPATH,'//*[@id="page-content"]/section[1]/div
input_element.send_keys("ecm-okyf-ofm") # filling textbox with desired imput

join_button = driver.find_element(By.XPATH, '//*[@id="page-content"]/section[1]/div/
join_button.click() #clicking on button
driver.quit()
```

Practice on Different functions

In [9]:
```
from selenium import webdriver
from selenium.webdriver.common.by import By

# Instantiate the WebDriver (e.g., ChromeDriver)
driver = webdriver.Chrome()

# Navigate to the webpage
driver.get("https://www.geeksforgeeks.org/automating-google-meet-using-selenium-in-p

# Get the title of the webpage
title = driver.title
print("The title of the webpage is:", title)

# Find code containers by class name
code_containers = driver.find_elements(By.CLASS_NAME, "code-container")

# Print the code from each code container
for i , code_container in enumerate(code_containers):

    print(100*"-")
    print(f"{i+1} Block of code contains: ")
    print(100*"-")

    print(code_container.text)
    print("\n")



# Close the browser
driver.quit()
```

```
The title of the webpage is: Automating Google meet using selenium in Python - Geeksfo
--------------------------------------------------------------------------------
1 Block of code contains:
--------------------------------------------------------------------------------
# import required modules
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.chrome.options import Options
import time


--------------------------------------------------------------------------------
2 Block of code contains:
--------------------------------------------------------------------------------
# creating chrome instance
opt = Options()
opt.add_argument('--disable-blink-features=AutomationControlled')
opt.add_argument('--start-maximized')
opt.add_experimental_option("prefs", {
     "profile.default_content_setting_values.media_stream_mic": 1,
    "profile.default_content_setting_values.media_stream_camera": 1,
    "profile.default_content_setting_values.geolocation": 0,
    "profile.default_content_setting_values.notifications": 1
})
driver = webdriver.Chrome(options=opt)


--------------------------------------------------------------------------------
3 Block of code contains:
--------------------------------------------------------------------------------
# go to google meet
driver.get('https://meet.google.com/xby-zehb-ncf')


--------------------------------------------------------------------------------
4 Block of code contains:
--------------------------------------------------------------------------------
# explicit function to turn off mic and cam
def turnOffMicCam():
     # turn off Microphone
    time.sleep(2)
    driver.find_element(By.XPATH,
        '//*[@id="yDmH0d"]/c-wiz/div/div/div[8]/div[3]/div/div/div[2]/div/div[1]/div[1
iv[4]/div[1]/div/div/div').click()
    driver.implicitly_wait(3000)
     # turn off camera
    time.sleep(1)
    driver.find_element(By.XPATH,
        '//*[@id="yDmH0d"]/c-wiz/div/div/div[8]/div[3]/div/div/div[2]/div/div[1]/div[1
iv[4]/div[2]/div/div').click()
    driver.implicitly_wait(3000)


--------------------------------------------------------------------------------
5 Block of code contains:
--------------------------------------------------------------------------------
def AskToJoin():
    # Ask to Join meet
    time.sleep(5)
    driver.implicitly_wait(2000)
    driver.find_element(By.CSS_SELECTOR,
        'div.uArJ5e.UQuaGc.Y5sE8d.uyXBBb.xKiqt').click()
    # Ask to join and join now buttons have same xpaths


--------------------------------------------------------------------------------
6 Block of code contains:
```

```
--------------------------------------------------------------------------------
def Glogin(mail_address, password):
    # Login Page
    driver.get(
        'https://accounts.google.com/ServiceLogin?hl=en&passive=true&continue=https://
/&ec=GAZAAQ')
     # input Gmail
    driver.find_element(By.XPATH, "identifierId").send_keys(mail_address)
    driver.find_element(By.ID, "identifierNext").click()
    driver.implicitly_wait(10)
     # input Password
    driver.find_element(By.XPATH,
        '//*[@id="password"]/div[1]/div/div[1]/input').send_keys(password)
    driver.implicitly_wait(10)
    driver.find_element(By.ID, "passwordNext").click()
    driver.implicitly_wait(10)
     # go to google home page
    driver.get('https://google.com/')
    driver.implicitly_wait(100)


--------------------------------------------------------------------------------
7 Block of code contains:
--------------------------------------------------------------------------------
# import required modules
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.chrome.options import Options
import time
  def Glogin(mail_address, password):
    # Login Page
    driver.get(
        'https://accounts.google.com/ServiceLogin?hl=en&passive=true&continue=https://
/&ec=GAZAAQ')
     # input Gmail
    driver.find_element(By.ID, "identifierId").send_keys(mail_address)
    driver.find_element(By.ID, "identifierNext").click()
    driver.implicitly_wait(10)
     # input Password
    driver.find_element(By.XPATH,
        '//*[@id="password"]/div[1]/div/div[1]/input').send_keys(password)
    driver.implicitly_wait(10)
    driver.find_element(By.ID, "passwordNext").click()
    driver.implicitly_wait(10)
     # go to google home page
    driver.get('https://google.com/')
    driver.implicitly_wait(100)
  def turnOffMicCam():
    # turn off Microphone
    time.sleep(2)
    driver.find_element(By.XPATH,
        '//*[@id="yDmH0d"]/c-wiz/div/div/div[8]/div[3]/div/div/div[2]/div/div[1]/div[1
iv[4]/div[1]/div/div/div').click()
    driver.implicitly_wait(3000)
     # turn off camera
    time.sleep(1)
    driver.find_element(By.XPATH,
        '//*[@id="yDmH0d"]/c-wiz/div/div/div[8]/div[3]/div/div/div[2]/div/div[1]/div[1
iv[4]/div[2]/div/div').click()
    driver.implicitly_wait(3000)
  def joinNow():
    # Join meet
    print(1)
    time.sleep(5)
    driver.implicitly_wait(2000)
    driver.find_element(By.CSS_SELECTOR,
        'div.uArJ5e.UQuaGc.Y5sE8d.uyXBBb.xKiqt').click()
```

```
    print(1)
  def AskToJoin():
    # Ask to Join meet
    time.sleep(5)
    driver.implicitly_wait(2000)
    driver.find_element(By.CSS_SELECTOR,
        'div.uArJ5e.UQuaGc.Y5sE8d.uyXBBb.xKiqt').click()
    # Ask to join and join now buttons have same xpaths
  # assign email id and password
mail_address = 'emaild@gmail.com'
password = 'geeksforgeeks'
 # create chrome instance
opt = Options()
opt.add_argument('--disable-blink-features=AutomationControlled')
opt.add_argument('--start-maximized')
opt.add_experimental_option("prefs", {
    "profile.default_content_setting_values.media_stream_mic": 1,
    "profile.default_content_setting_values.media_stream_camera": 1,
    "profile.default_content_setting_values.geolocation": 0,
    "profile.default_content_setting_values.notifications": 1
})
driver = webdriver.Chrome(options=opt)
 # login to Google account
Glogin(mail_address, password)
 # go to google meet
driver.get('https://meet.google.com/xby-zehb-ncf')
turnOffMicCam()
# AskToJoin()
joinNow()
```

Scrolling

In [10]:
```
import time

# Instantiate the WebDriver (e.g., ChromeDriver)
driver = webdriver.Chrome()

# Navigate to a webpage
driver.get("https://www.geeksforgeeks.org/automating-google-meet-using-selenium-in-p

# Define the scroll height and increment value
scroll_height = 0
scroll_increment = 20
scroll_delay = 0.2  # Adjust the delay value for your desired scrolling speed

# Slowly scroll down the page
while scroll_height <= 2000:
    driver.execute_script(f"window.scrollTo(0, {scroll_height});")
    scroll_height += scroll_increment
    time.sleep(scroll_delay)

# Close the browser
driver.quit()
```

```
---------------------------------------------------------------------------
NoSuchWindowException                     Traceback (most recent call last)
<ipython-input-10-701c78932b7a> in <module>
     14 # Slowly scroll down the page
     15 while scroll_height <= 2000:
---> 16     driver.execute_script(f"window.scrollTo(0, {scroll_height});")
     17     scroll_height += scroll_increment
     18     time.sleep(scroll_delay)

~/miniconda3/envs/datascience/lib/python3.7/site-packages/selenium/webdriver/remote/webdriver.py in execute_script(self, script, *args)
    404         command = Command.W3C_EXECUTE_SCRIPT
    405
--> 406         return self.execute(command, {"script": script, "args": converted_args})["value"]
    407
    408     def execute_async_script(self, script: str, *args):

~/miniconda3/envs/datascience/lib/python3.7/site-packages/selenium/webdriver/remote/webdriver.py in execute(self, driver_command, params)
    344         response = self.command_executor.execute(driver_command, params)
    345         if response:
--> 346             self.error_handler.check_response(response)
    347             response["value"] = self._unwrap_value(response.get("value", None))
    348             return response

~/miniconda3/envs/datascience/lib/python3.7/site-packages/selenium/webdriver/remote/errorhandler.py in check_response(self, response)
    243                 alert_text = value["alert"].get("text")
    244             raise exception_class(message, screen, stacktrace, alert_text)  # type: ignore[call-arg]  # mypy is not smart enough here
--> 245         raise exception_class(message, screen, stacktrace)

NoSuchWindowException: Message: no such window: target window already closed
from unknown error: web view not found
  (Session info: chrome=114.0.5735.198)
Stacktrace:
#0 0x55dde93dc4e3 <unknown>
#1 0x55dde910bc76 <unknown>
#2 0x55dde90e5c6c <unknown>
#3 0x55dde916bf8f <unknown>
#4 0x55dde917ed66 <unknown>
#5 0x55dde9166de3 <unknown>
#6 0x55dde913c2dd <unknown>
#7 0x55dde913d34e <unknown>
#8 0x55dde939c3e4 <unknown>
#9 0x55dde93a03d7 <unknown>
#10 0x55dde93aab20 <unknown>
#11 0x55dde93a1023 <unknown>
#12 0x55dde936f1aa <unknown>
#13 0x55dde93c56b8 <unknown>
#14 0x55dde93c5847 <unknown>
#15 0x55dde93d5243 <unknown>
#16 0x7f702fcbd44b <unknown>
```

Searching and button press

In [11]:
```
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.common.keys import Keys

# Instantiate the WebDriver (e.g., ChromeDriver)
driver = webdriver.Chrome()

# Navigate to a webpage
driver.get("https://www.geeksforgeeks.org/automating-google-meet-using-selenium-in-p

# Find the search button and click on it
button = driver.find_element(By.XPATH, '//*[@id="gcse-form"]/button')
button.click()

# Find the search input element and enter the search query
search_input = driver.find_element(By.XPATH, '//*[@id="gcse-search-input"]')
search_input.send_keys("Binary Search Tree C++")

# Press Enter key
search_input.send_keys(Keys.ENTER)

time.sleep(3)
# Close the browser
driver.quit()
```

In [ ]:
```

```