

```
In [2]: !pip install selenium

Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: selenium in c:\users\mormo\appdata\roaming\python\python39\site-packages (4.15.2)
Requirement already satisfied: certifi>=2021.10.8 in c:\programdata\anaconda3\lib\site-packages (from selenium) (2022.9.14)
Requirement already satisfied: trio~=0.17 in c:\users\mormo\appdata\roaming\python\python39\site-packages (from selenium) (0.23.1)
Requirement already satisfied: urllib3[socks]<3,>=1.26 in c:\programdata\anaconda3\lib\site-packages (from selenium) (1.26.11)
Requirement already satisfied: trio-websocket~=0.9 in c:\users\mormo\appdata\roaming\python\python39\site-packages (from selenium) (0.11.1)
Requirement already satisfied: exceptiongroup>=1.0.0rc9 in c:\users\mormo\appdata\roaming\python\python39\site-packages (from trio~=0.17->selenium) (1.1.3)
Requirement already satisfied: outcome in c:\users\mormo\appdata\roaming\python\python39\site-packages (from trio~=0.17->selenium) (1.3.0.post0)
Requirement already satisfied: cffi>=1.14 in c:\programdata\anaconda3\lib\site-packages (from trio~=0.17->selenium) (1.15.1)
Requirement already satisfied: idna in c:\programdata\anaconda3\lib\site-packages (from trio~=0.17->selenium) (3.3)
Requirement already satisfied: sniffio>=1.3.0 in c:\users\mormo\appdata\roaming\python\python39\site-packages (from trio~=0.17->selenium) (1.3.0)
Requirement already satisfied: attrs>=20.1.0 in c:\programdata\anaconda3\lib\site-packages (from trio~=0.17->selenium) (21.4.0)
Requirement already satisfied: sortedcontainers in c:\programdata\anaconda3\lib\site-packages (from trio~=0.17->selenium) (2.4.0)
Requirement already satisfied: wsproto>=0.14 in c:\users\mormo\appdata\roaming\python\python39\site-packages (from trio-websocket~=0.9->selenium) (1.2.0)
Requirement already satisfied: PySocks!=1.5.7,<2.0,>=1.5.6 in c:\programdata\anaconda3\lib\site-packages (from urllib3[socks]<3,>=1.26->selenium) (1.7.1)
Requirement already satisfied: pycparser in c:\programdata\anaconda3\lib\site-packages (from cffi>=1.14->trio~=0.17->selenium) (2.21)
Requirement already satisfied: h11<1,>=0.9.0 in c:\users\mormo\appdata\roaming\python\python39\site-packages (from wsproto>=0.14->trio-websocket~=0.9->selenium) (0.14.0)

In [ ]: Q1: Write a python program to scrape data for “Data Analyst” Job position in “Bangalore” location. You have to scrape the job-title, job-location, company_name, experience_required

In [9]: driver = webdriver.Chrome()

In [10]: driver.get("https://www.shine.com/")

In [34]: designation=driver.find_element(By.CLASS_NAME,"searchBarInput")
designation.send_keys('Data Analyst')

In [36]: location=driver.find_element(By.XPATH,"/html/body/div/header[2]/div[2]/div[1]/input")
location.send_keys('Bangalore')

In [30]: search_button = driver.find_element(By.CLASS_NAME, "btn.btn-secondary.undefined")
search_button.click()

In [32]: job_title = []
job_location = []
company_name = []
experience_required = []

In [44]: title_tags = driver.find_elements(By.XPATH, '//*[@class="jobCard_jobCard__jUmu active white-box-border jobCard"]/div/a')
for i in title_tags:
    title = i.text
    job_title.append(title)

location_tags = driver.find_elements(By.XPATH, '//*[@class="jobCard_jobCard_lists_item__YxRkV jobCard_locationIcon__zrWt2"]')
for i in location_tags:
    location = i.text
    job_location.append(location)

company_tags = driver.find_elements(By.XPATH, '//*[@class="jobCard_jobCard_cName__mYnow"]/a[1]')
for i in company_tags:
    company = i.text
    company_name.append(company)

experience_tags = driver.find_elements(By.XPATH, '//*[@class="jobCard_jobCard_lists_item__YxRkV jobCard_jobIcon__3FB1t"]')
for i in experience_tags:
    exp = i.text
    experience_required.append(exp)

In [45]: print(len(job_title),len(job_location),len(company_name),len(experience_required))

0 0 40 0

In [43]: if len(job_title) == len(job_location) == len(company_name) == len(experience_required) == 10:
df = pd.DataFrame({'Title': job_title, 'Location': job_location, 'Company Name': company_name, 'Experience': experience_required})
else:
    print("The lists do not have the same length.")

The lists do not have the same length.

In [ ]: QUESTION 2 = Write a python program to scrape data for “Data Scientist” Job position in “Bangalore” location. You have to scrape the job-title, job-location, company_name. You hav

In [55]: import selenium
import pandas as pd
from selenium import webdriver

In [56]: driver = webdriver.Chrome()

In [58]: driver.get('https://www.shine.com/')

In [66]: designation=driver.find_element(By.CLASS_NAME,"form-control ")
designation.send_keys('Data Scientist')

In [67]: location=driver.find_element(By.XPATH,"/html/body/div/div[4]/div/div[2]/div[2]/div/form/div/div[1]/ul/li[1]/div/input")
location.send_keys('Banglore')

In [74]: search_button = driver.find_element(By.CSS_SELECTOR, 'button.btn.btn-secondary.undefined')
search_button.click()

In [97]: title_tags = driver.find_elements(By.XPATH,'//*[@class="jobCard_jobCard__jUmu active white-box-border jobCard"]')
for i in title_tags:
    title = i.text
    job_title.append(title)

location_tags = driver.find_elements(By.XPATH,'//*[@class=" jobCard_jobCard_lists_item__YxRkV jobCard_locationIcon__zrWt2"]')
for i in location_tags:
    location = i.text
    job_location.append(location)

company_tags = driver.find_elements(By.XPATH,'//*[@class="jobCard_jobCard_cName__mYnow"]')
for i in company_tags:
    company = i.text
    company_name.append(company)

experience_tags = driver.find_elements(By.XPATH,'//*[@class=" jobCard_jobCard_lists_item__YxRkV jobCard_jobIcon__3FB1t"]')
for i in experience_tags:
    exp = i.text
    experience_required.append(exp)

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WebDriverException Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_15924\4199782078.py in <module>
----> 1 title_tags = driver.find_elements(By.XPATH, '//*[@class="jobCard_jobCard__jUmu active white-box-border jobCard"]')
      2 for i in title_tags:
      3     title = i.text
      4     job_title.append(title)
      5

~\AppData\Roaming\Python\Python39\site-packages\selenium\webdriver\remote\webdriver.py in find_elements(self, by, value)
    769         # Return empty list if driver returns null
    770         # See https://github.com/SeleniumHQ/selenium/issues/4555
--> 771         return self.execute(Command.FIND_ELEMENTS, {"using": by, "value": value})["value"] or []
    772
    773         @property

~\AppData\Roaming\Python\Python39\site-packages\selenium\webdriver\remote\webdriver.py in execute(self, driver_command, params)
    345         response = self.command_executor.execute(driver_command, params)
    346         if response:
--> 347             self.error_handler.check_response(response)
    348             response["value"] = self._unwrap_value(response.get("value", None))
    349             return response

~\AppData\Roaming\Python\Python39\site-packages\selenium\webdriver\remote\errorhandler.py in check_response(self, response)
    227         alert_text = value["alert"].get("text")
    228         raise exception_class(message, screen, stacktrace, alert_text) # type: ignore[call-arg] # mypy is not smart enough here
--> 229         raise exception_class(message, screen, stacktrace)

WebDriverException: Message: disconnected: not connected to DevTools
(failed to check if window was closed: disconnected: not connected to DevTools)
(Session info: chrome=119.0.6045.105)
Stacktrace:
    GetHandleVerifier [0x00007FF7390182B2+55298]
    (No symbol) [0x00007FF738F85E02]
    (No symbol) [0x00007FF738E405AB]
    (No symbol) [0x00007FF738E2E19B]
    (No symbol) [0x00007FF738E2DDF0]
    (No symbol) [0x00007FF738E424A1]
    (No symbol) [0x00007FF738EBA18F]
    (No symbol) [0x00007FF738EA1E83]
    (No symbol) [0x00007FF738E7670A]
    (No symbol) [0x00007FF738E77964]
    GetHandleVerifier [0x00007FF739390AAB+3694587]
    GetHandleVerifier [0x00007FF7393E728E+4048862]
    GetHandleVerifier [0x00007FF7393DF173+4015811]
    GetHandleVerifier [0x00007FF7390B47D6+695590]
    (No symbol) [0x00007FF738F90CE8]
    (No symbol) [0x00007FF738F8CF34]
    (No symbol) [0x00007FF738F8D062]
    (No symbol) [0x00007FF738F7D3A3]
    BaseThreadInitThunk [0x00007FFF9A04257D+29]
    RtUserThreadStart [0x00007FFF9A2A58+40]

In [ ]: Q3: In this question you have to scrape data using the filters available on the webpage
you have to use the location filter
Odata scientist resignation for first 10 results
Scrap job title job location company name experience required
Question philtre is used in Delhi NCR the celery philtre to be used is 3 to 6 lakhs

In [99]: from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC

In [101]: driver = webdriver.Chrome(executable_path='https://www.shine.com/')

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TypeError Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_15924\2412698965.py in <module>
----> 1 driver = webdriver.Chrome(executable_path='https://www.shine.com/')

TypeError: __init__() got an unexpected keyword argument 'executable_path'

In [ ]:
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