

In [136]:	pip install selenium
	Requirement already satisfied: selenium in c:\users\vudhayakumar\anaconda3\lib\site-packages (4.17.2)
	Requirement already satisfied: urllib3[socks]<3,>=1.26 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from selenium) (1.26.14)
	Requirement already satisfied: certifi>=2021.10.8 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from selenium) (2022.12.7)
	Requirement already satisfied: trio=0.17 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from selenium) (0.24.0)
	Requirement already satisfied: trio-websocket=0.9 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from selenium) (0.11.1)
	Requirement already satisfied: typing_extensions>=4.0 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from selenium) (4.9.0)
	Requirement already satisfied: sniffio=1.3.0 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from trio=0.17>selenium) (1.3.0)
	Requirement already satisfied: idna in c:\users\vudhayakumar\anaconda3\lib\site-packages (from trio=0.17>selenium) (3.4)
	Requirement already satisfied: sortedcontainers in c:\users\vudhayakumar\anaconda3\lib\site-packages (from trio=0.17>selenium) (2.4.0)
	Requirement already satisfied: attrs>=20.1.0 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from trio=0.17>selenium) (22.1.0)
	Requirement already satisfied: cffi>=1.14 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from trio=0.17>selenium) (1.15.1)
	Requirement already satisfied: exceptiongroup in c:\users\vudhayakumar\anaconda3\lib\site-packages (from trio=0.17>selenium) (1.2.0)
	Requirement already satisfied: outcome in c:\users\vudhayakumar\anaconda3\lib\site-packages (from trio=0.17>selenium) (1.3.0.post0)
	Requirement already satisfied: wsproto=0.14 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from trio-websocket=0.9>selenium) (1.2.0)
	Requirement already satisfied: PySocks<1.5.7,<2.0,>=1.5.0 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from urllib3[socks]<3,>=1.26>selenium) (1.7.1)
	Requirement already satisfied: h1<1,>=0.9.0 in c:\users\vudhayakumar\anaconda3\lib\site-packages (from wsproto=0.14>trio-websocket=0.9>selenium) (0.14.0)
In [137]:	<pre>import selenium import pandas as pd from selenium import webdriver import warnings warnings.filterwarnings('ignore') from selenium.webdriver.common.by import By</pre>
In [ ]:	1st question
In [138]:	driver=webdriver.Chrome()
In [139]:	driver.get("https://www.shine.com/new/job-search")
In [140]:	designation=driver.find_element(By.CLASS_NAME,"form-control ") designation.send_keys('Data Analyst')
In [141]:	location=driver.find_element(By.XPATH,"/html/body/div/div[1]/div/div/div[1]/div[1]/div/div[2]/div/div/form/div/div[1]/ul/li[2]/div/input") location.send_keys('Bangalore')
In [142]:	search=driver.find_element(By.CLASS_NAME,"SearchForm_btnWrap_advance_VYBHN") search.click()
	----- ElementClickInterceptedException Traceback (most recent call last) Cell In[142], line 2       1 search=driver.find_element(By.CLASS_NAME,"SearchForm_btnWrap_advance_VYBHN") ----> 2 search.click()  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webelement.py:94, in WebElement.click(self)     92 def click(self) -> None:     93     """Clicks the element.""" ----> 94     self._execute(Command.CLICK_ELEMENT)  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webelement.py:395, in WebElement._execute(self, command, params)     393     params = {}     394     params["id"] = self._id --> 395     return self._parent.execute(command, params)  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py:347, in WebDriver.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  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\errorhandler.py:229, in ErrorHandler.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)  ElementClickInterceptedException: Message: element click intercepted: Element <div class="SearchForm_btnWrap_advance_VYBHN">...</div> is not clickable at poi nt (345, 474). Other element would receive the click: <li class="nav-item" index="id_q_5">...</li> (Session info: chrome=121.0.6167.141) Stacktrace:   GetHandleVerifier [0x0007FF60C1E5E42+3538674]   (No symbol) [0x0007FF60BE04C02]   (No symbol) [0x0007FF60BC5AE8]   (No symbol) [0x0007FF60BD033E4]   (No symbol) [0x0007FF60BD01122]   (No symbol) [0x0007FF60BCFE884]   (No symbol) [0x0007FF60BCFD5A9]   (No symbol) [0x0007FF60BCD1950]   (No symbol) [0x0007FF60BD1F0AA]   (No symbol) [0x0007FF60BD1F244]   (No symbol) [0x0007FF60BD1F2C0]   (No symbol) [0x0007FF60BD30DE3]   (No symbol) [0x0007FF60BD1EE53]   (No symbol) [0x0007FF60BCE514]   (No symbol) [0x0007FF60BCF6631]   GetHandleVerifier [0x0007FF60C216CAD+3738973]   GetHandleVerifier [0x0007FF60C26C506+4089270]   GetHandleVerifier [0x0007FF60C264823+4057299]   GetHandleVerifier [0x0007FF60B35C49+720121]   (No symbol) [0x0007FF60BE1126F]   (No symbol) [0x0007FF60BE0C304]   (No symbol) [0x0007FF60BE0C432]   (No symbol) [0x0007FF60BD0D04]   BaseThreadInitThunk [0x0007FFA01017344+20]   RtlUserThreadStart [0x0007FFA011826B1+33]
In [ ]:	job_title=[] job_location=[] company_name=[] experience_required=[]
In [ ]:	title_tags=driver.find_elements(By.XPATH,"//div[@class="jobCard_jobCard_jjUmu active white-box-border jobCard"]'/div') for i in title_tags:     title=i.text     job_title.append(title)
In [ ]:	location_tags=driver.find_elements(By.XPATH,"//div[@class=" jobCard_jobCard_lists_item_YxRKV jobCard_locationIcon_zrWt2"]'/div') for i in location_tags:     location=i.text     job_location.append(location)
In [ ]:	company_tags=driver.find_elements(By.XPATH,"//span[@class="jobCard_jobCard_features_wdId0"]'/div') for i in company_tags:     company=i.text     job_company.append(company)
In [ ]:	2nd question
In [174]:	driver=webdriver.Chrome()
In [175]:	driver.get("https://www.shine.com/new/job-search")
In [176]:	designation=driver.find_element(By.CLASS_NAME,"form-control ") designation.send_keys('Data Scientist')
In [177]:	location=driver.find_element(By.XPATH,"/html/body/div/div[1]/div/div/div[1]/div[1]/div/div[2]/div/div/form/div/div[1]/ul/li[2]/div/input") location.send_keys('Bangalore')
In [179]:	search=driver.find_element(By.CLASS_NAME,"SearchForm_btnWrap_advance_VYBHN") search.click()
	----- ElementClickInterceptedException Traceback (most recent call last) Cell In[179], line 2       1 search=driver.find_element(By.CLASS_NAME,"SearchForm_btnWrap_advance_VYBHN") ----> 2 search.click()  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webelement.py:94, in WebElement.click(self)     92 def click(self) -> None:     93     """Clicks the element.""" ----> 94     self._execute(Command.CLICK_ELEMENT)  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webelement.py:395, in WebElement._execute(self, command, params)     393     params = {}     394     params["id"] = self._id --> 395     return self._parent.execute(command, params)  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py:347, in WebDriver.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  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\errorhandler.py:229, in ErrorHandler.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)  ElementClickInterceptedException: Message: element click intercepted: Element <div class="SearchForm_btnWrap_advance_VYBHN">...</div> is not clickable at poi nt (345, 474). Other element would receive the click: <div class="modal_overlay_4_Xvc overlayChange topalign">...</div> (Session info: chrome=121.0.6167.141) Stacktrace:   GetHandleVerifier [0x0007FF60C1E5E42+3538674]   (No symbol) [0x0007FF60BE04C02]   (No symbol) [0x0007FF60BC5AE8]   (No symbol) [0x0007FF60BD033E4]   (No symbol) [0x0007FF60BD01122]   (No symbol) [0x0007FF60BCFE884]   (No symbol) [0x0007FF60BCFD5A9]   (No symbol) [0x0007FF60BCD1950]   (No symbol) [0x0007FF60BD1F0AA]   (No symbol) [0x0007FF60BD1F244]   (No symbol) [0x0007FF60BD1F2C0]   (No symbol) [0x0007FF60BD30DE3]   (No symbol) [0x0007FF60BD1EE53]   (No symbol) [0x0007FF60BCE514]   (No symbol) [0x0007FF60BCF6631]   GetHandleVerifier [0x0007FF60C216CAD+3738973]   GetHandleVerifier [0x0007FF60C26C506+4089270]   GetHandleVerifier [0x0007FF60C264823+4057299]   GetHandleVerifier [0x0007FF60B35C49+720121]   (No symbol) [0x0007FF60BE1126F]   (No symbol) [0x0007FF60BE0C304]   (No symbol) [0x0007FF60BE0C432]   (No symbol) [0x0007FF60BD0D04]   BaseThreadInitThunk [0x0007FFA01017344+20]   RtlUserThreadStart [0x0007FFA011826B1+33]
In [181]:	job_title=[] job_location=[] company_name=[]
In [182]:	title_tags=driver.find_elements(By.XPATH,"//div[@class="jobCard_jobCard_jjUmu active white-box-border jobCard"]'/div') for i in title_tags:     title=i.text     job_title.append(title)
In [191]:	location_tags=driver.find_elements(By.XPATH,"//div[@class=" jobCard_jobCard_lists_item_YxRKV jobCard_locationIcon_zrWt2"]'/div') for i in location_tags:     location=i.text     job_location.append(location)
In [192]:	company_tags=driver.find_elements(By.XPATH,"//div[@class="jobCard_jobCard_cName_mYnow"]'/div') for i in company_tags:     company=i.text     company.append(company)
In [193]:	print(len(job_title),len(job_location))  0 0
In [194]:	import pandas as pd df=pd.DataFrame({'titles':job_title,'location':job_location}) df
Out[194]:	titles location
In [ ]:	3rd question
In [208]:	driver=webdriver.Chrome()
In [209]:	driver.get("https://www.shine.com/new/job-search")
In [210]:	designation=driver.find_element(By.CLASS_NAME,"form-control ") designation.send_keys('Data Scientist')
In [211]:	location=driver.find_element(By.XPATH,"/html/body/div/div[1]/div/div/div[1]/div[1]/div/div[2]/div/div/form/div/div[1]/ul/li[2]/div/input") location.send_keys('Delhi')
In [212]:	search=driver.find_element(By.CLASS_NAME,"SearchForm_btnWrap_advance_VYBHN") search.click()
	----- ElementClickInterceptedException Traceback (most recent call last) Cell In[212], line 2       1 search=driver.find_element(By.CLASS_NAME,"SearchForm_btnWrap_advance_VYBHN") ----> 2 search.click()  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webelement.py:94, in WebElement.click(self)     92 def click(self) -> None:     93     """Clicks the element.""" ----> 94     self._execute(Command.CLICK_ELEMENT)  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webelement.py:395, in WebElement._execute(self, command, params)     393     params = {}     394     params["id"] = self._id --> 395     return self._parent.execute(command, params)  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py:347, in WebDriver.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  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\errorhandler.py:229, in ErrorHandler.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)  ElementClickInterceptedException: Message: element click intercepted: Element <div class="SearchForm_btnWrap_advance_VYBHN">...</div> is not clickable at poi nt (345, 474). Other element would receive the click: <ul class="dropdownMenu multiSelect custom_scroll d-block">...</ul> (Session info: chrome=121.0.6167.141) Stacktrace:   GetHandleVerifier [0x0007FF60C1E5E42+3538674]   (No symbol) [0x0007FF60BE04C02]   (No symbol) [0x0007FF60BC5AE8]   (No symbol) [0x0007FF60BD033E4]   (No symbol) [0x0007FF60BD01122]   (No symbol) [0x0007FF60BCFE884]   (No symbol) [0x0007FF60BCFD5A9]   (No symbol) [0x0007FF60BCD1950]   (No symbol) [0x0007FF60BD1F0AA]   (No symbol) [0x0007FF60BD1F244]   (No symbol) [0x0007FF60BD1F2C0]   (No symbol) [0x0007FF60BD30DE3]   (No symbol) [0x0007FF60BD1EE53]   (No symbol) [0x0007FF60BCE514]   (No symbol) [0x0007FF60BCF6631]   GetHandleVerifier [0x0007FF60C216CAD+3738973]   GetHandleVerifier [0x0007FF60C26C506+4089270]   GetHandleVerifier [0x0007FF60C264823+4057299]   GetHandleVerifier [0x0007FF60B35C49+720121]   (No symbol) [0x0007FF60BE1126F]   (No symbol) [0x0007FF60BE0C304]   (No symbol) [0x0007FF60BE0C432]   (No symbol) [0x0007FF60BD0D04]   BaseThreadInitThunk [0x0007FFA01017344+20]   RtlUserThreadStart [0x0007FFA011826B1+33]
In [ ]:	job_title=[] job_location=[] company_name=[] experience_required=[] salary_offered=[]
In [ ]:	title_tags=driver.find_elements(By.XPATH,"//div[@class="jobCard_jobCard_jjUmu active white-box-border jobCard"]'/div') for i in title_tags:     title=i.text     job_title.append(title)
In [ ]:	location_tags=driver.find_elements(By.XPATH,"//div[@class=" jobCard_jobCard_lists_item_YxRKV jobCard_locationIcon_zrWt2"]'/div') for i in location_tags:     location=i.text     job_location.append(location)
In [ ]:	company_tags=driver.find_elements(By.XPATH,"//div[@class="jobCard_jobCard_cName_mYnow"]'/div') for i in company_tags:     company=i.text     company.append(company)
In [ ]:	experience_tags=driver.find_elements(By.XPATH,"//div[@class=" jobCard_jobCard_lists_item_YxRKV jobCard_jobIcon_3F8i1"]'/div') for i in experience_tags:     experience=i.text     experience.append(experience)
In [ ]:	salary_tags=driver.find_elements(By.XPATH,"span[class="filter_filter_option_label_v_iAW"]') for i in salary_tags:     salary=i.text     salary.append(salary)
In [213]:	print(len(job_title),len(job_location),len(company_name),len(experience_required),len(salary))  0 0 0 0 0
In [215]:	import pandas as pd df=pd.DataFrame({'titles':job_title,'location':job_location,'company':company_name,'experience':experience_required,'salary':salary_offered}) df
Out[215]:	titles location company experience salary
In [ ]:	4th question
In [225]:	driver=webdriver.Chrome()
In [226]:	driver.get("https://www.flipkart.com/")
In [227]:	designation=driver.find_element(By.CLASS_NAME,"Pke_EE") designation.send_keys('sun glasses')
In [ ]:	5th question
In [228]:	driver=webdriver.Chrome()
In [229]:	driver.get("https://www.flipkart.com/apple-iphone-11-black-64-gb/product-reviews/itm4e5841baf0d7pid=MOBFWQ6BXGJCEYV&lid=LSTM0BFWQ6BXGJCEYVZXSHR3&market=")
In [236]:	customer_ratings=[] customer_review=[]
In [237]:	rating_tags=driver.find_elements(By.XPATH,"//div[@class="row_2afb1s"]'/div') for i in rating_tags:     ratings=i.text     customer_rating.append(rating)
In [238]:	review_tags=driver.find_elements(By.XPATH,"//div[@class="3LW2K_1BLPMq"]'/div') for i in review_tags:     review=i.text     customer_review.append(review)
In [239]:	print (len(customer_reviews),len(customer_rating))  0 2
In [ ]:	6th question
In [240]:	driver=webdriver.Chrome()
In [241]:	driver.get("https://www.flipkart.com/")
In [242]:	designation=driver.find_element(By.CLASS_NAME,"Pke_EE") designation.send_keys('sneakers')
In [243]:	brand_names=[] product_desription=[] price_described=[]
In [245]:	brand_tags=driver.find_elements(By.XPATH,"//div[@class="2WkVRV"]'/div') for i in brand_tags:     brand=i.text     brand_name.append(brand)
	----- InvalidSelectorException Traceback (most recent call last) Cell In[245], line 1 ----> 1 brand_tags=driver.find_elements(By.XPATH,"//div[@class="2WkVRV"]'/div')       2 for i in brand_tags:       3     brand=i.text  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py:771, in WebDriver.find_elements(self, by, value)     767     value = f'[{name}="{value}"]'     768     # 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 []  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py:347, in WebDriver.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  File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\errorhandler.py:229, in ErrorHandler.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)  InvalidSelectorException: Message: invalid selector: Unable to locate an element with the xpath expression '//div[@class="2WkVRV"]'/div because of the followin g error: SyntaxError: Failed to execute 'evaluate' on 'Document': The string '//div[@class="2WkVRV"]'/div' is not a valid XPath expression. (Session info: chrome=121.0.6167.141); For documentation on this error, please visit: https://www.selenium.dev/documentation/webdriver/troubleshooting/error syntax/invalid-selector-exception Stacktrace:   GetHandleVerifier [0x0007FF60C1E5E42+3538674]   (No symbol) [0x0007FF60BE04C02]   (No symbol) [0x0007FF60BC5AE8]   (No symbol) [0x0007FF60BD033E4]   (No symbol) [0x0007FF60BD01122]   (No symbol) [0x0007FF60BCFE88C]   (No symbol) [0x0007FF60BCFD5A9]   (No symbol) [0x0007FF60BD1F0AA]   (No symbol) [0x0007FF60BD1F244]   (No symbol) [0x0007FF60BD1F2C0]   (No symbol) [0x0007FF60BD30DE3]   (No symbol) [0x0007FF60BD1EE53]   (No symbol) [0x0007FF60BCE514]   (No symbol) [0x0007FF60BCF6631]   GetHandleVerifier [0x0007FF60C216CAD+3738973]   GetHandleVerifier [0x0007FF60C26C506+4089270]   GetHandleVerifier [0x0007FF60C264823+4057299]   GetHandleVerifier [0x0007FF60B35C49+720121]   (No symbol) [0x0007FF60BE1126F]   (No symbol) [0x0007FF60BE0C304]   (No symbol) [0x0007FF60BE0C432]   (No symbol) [0x0007FF60BD0D04]   BaseThreadInitThunk [0x0007FFA01017344+20]   RtlUserThreadStart [0x0007FFA011826B1+33]
In [ ]:	7th question
In [254]:	driver=webdriver.Chrome()
In [271]:	driver.get("https://www.amazon.in/")
In [ ]:	
In [ ]:	