

# [AI] 8/2 실습

```
import pymysql
import time
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.common.keys import Keys
#키값 입력 가능

from selenium.webdriver.chrome.service import Service

from openpyxl import Workbook

wb = Workbook()
ws = wb.active

service = Service()
d = webdriver.Chrome(service=service)

try:
```

```
#키값 입력 / 실행
d.get("<https://cafe.naver.com/joonggonara>")
elem = d.find_element(By.CSS_SELECTOR, "#topLayerQueryInput")
elem.send_keys("자전거")
elem.send_keys(Keys.RETURN)

iframe = d.find_element(By.CSS_SELECTOR, "#cafe_main")
d.switch_to.frame(iframe)

for page in range(2, 5):
    #x = d.find_element(By.CSS_SELECTOR, "#main-area")
    # y = x.find_elements(By.CSS_SELECTOR, "table > tbody > tr")

    trs = d.find_elements(By.CSS_SELECTOR, ".article-board > table > tbody > tr")
    for tr in trs:
        title = tr.find_element(By.CSS_SELECTOR, ".article").text
        id = tr.find_element(By.CSS_SELECTOR, ".p-nick").text
        time = tr.find_element(By.CSS_SELECTOR, ".td_date").text

        print(title,id,time)
        ws.append([title, id, time])

page_area = d.find_element(By.CSS_SELECTOR, ".prev-next")
```

```
page_link = page_area.find_element(By.LINK_TEXT, str(page))  
  
page_link.click()
```

```
except Exception as e:  
    print(e)  
  
finally:  
    d.close()  
    d.quit()  
  
wb.save("joonggonara.xlsx")
```

**1페이지부터 5페이지 제목 / 작성자이름 / 작성일  
엑셀로 뉴스기사**

**링크텍스트로 반복문, 같은 방법으로 링크텍스트  
prev-next 1, 2, 3**

**엑셀로 저장해서 코드랑 엑셀 보여주면됨**