

셀레니움

사용자가 사용하는 웹 드라이버가 필요함 크롬을 사용하기 때문에 크롬 드라이버 설치 ->

```
In [15]: # python selenium 설치하기
!pip install selenium
```

```
Requirement already satisfied: selenium in /home/user/anaconda3/lib/python3.7/site-packages (4.11.2)
Requirement already satisfied: trio~=0.17 in /home/user/anaconda3/lib/python3.7/site-packages (from selenium) (0.22.2)
Requirement already satisfied: urllib3[socks]<3,>=1.26 in /home/user/anaconda3/lib/python3.7/site-packages (from selenium) (2.0.7)
Requirement already satisfied: certifi>=2021.10.8 in /home/user/anaconda3/lib/python3.7/site-packages (from selenium) (2023.11.17)
Requirement already satisfied: trio-websocket~=0.9 in /home/user/anaconda3/lib/python3.7/site-packages (from selenium) (0.11.1)
Requirement already satisfied: exceptiongroup>=1.0.0rc9; python_version < "3.11" in /home/user/anaconda3/lib/python3.7/site-packages (from trio~=0.17->selenium) (1.1.3)
Requirement already satisfied: idna in /home/user/anaconda3/lib/python3.7/site-packages (from trio~=0.17->selenium) (2.8)
Requirement already satisfied: sniffio in /home/user/anaconda3/lib/python3.7/site-packages (from trio~=0.17->selenium) (1.3.0)
Requirement already satisfied: attrs>=20.1.0 in /home/user/anaconda3/lib/python3.7/site-packages (from trio~=0.17->selenium) (23.1.0)
Requirement already satisfied: sortedcontainers in /home/user/anaconda3/lib/python3.7/site-packages (from trio~=0.17->selenium) (2.1.0)
Requirement already satisfied: outcome in /home/user/anaconda3/lib/python3.7/site-packages (from trio~=0.17->selenium) (1.3.0.post0)
Requirement already satisfied: pysocks!=1.5.7,<2.0,>=1.5.6; extra == "socks" in /home/user/anaconda3/lib/python3.7/site-packages (from urllib3[socks]<3,>=1.26->selenium) (1.7.1)
Requirement already satisfied: wsproto>=0.14 in /home/user/anaconda3/lib/python3.7/site-packages (from trio-websocket~=0.9->selenium) (1.2.0)
Requirement already satisfied: importlib-metadata; python_version < "3.8" in /home/user/anaconda3/lib/python3.7/site-packages (from attrs>=20.1.0->trio~=0.17->selenium) (0.23)
Requirement already satisfied: h11<1,>=0.9.0 in /home/user/anaconda3/lib/python3.7/site-packages (from wsproto>=0.14->trio-websocket~=0.9->selenium) (0.14.0)
Requirement already satisfied: zipp>=0.5 in /home/user/anaconda3/lib/python3.7/site-packages (from importlib-metadata; python_version < "3.8"->attrs>=20.1.0->trio~=0.17->selenium) (0.6.0)
Requirement already satisfied: typing-extensions; python_version < "3.8" in /home/user/anaconda3/lib/python3.7/site-packages (from h11<1,>=0.9.0->wsproto>=0.14->trio-websocket~=0.9->selenium) (4.7.1)
Requirement already satisfied: more-itertools in /home/user/anaconda3/lib/python3.7/site-packages (from zipp>=0.5->importlib-metadata; python_version < "3.8"->attrs>=20.1.0->trio~=0.17->selenium) (7.2.0)
```

```
In [17]: from selenium import webdriver
from selenium.webdriver.common.keys import Keys

#드라이버 생성 설치 경로 정확하게 기재 (드라이버 로드)
chromedriver = '/home/user/다운로드'

#드라이버 사용하겠다.
driver = webdriver.Chrome(chromedriver)
```

```

-----
AttributeError                                Traceback (most recent call last)
~/anaconda3/lib/python3.7/site-packages/selenium/webdriver/common/driver_finder.py in get_path(service, options)
    37         try:
----> 38             path = SeleniumManager().driver_location(options) if path is None else path
    39         except Exception as err:

~/anaconda3/lib/python3.7/site-packages/selenium/webdriver/common/selenium_manager.py in driver_location(self, options)
    70
----> 71         browser = options.capabilities["browserName"]
    72

```

AttributeError: 'str' object has no attribute 'capabilities'

During handling of the above exception, another exception occurred:

```

AttributeError                                Traceback (most recent call last)
<ipython-input-17-6c055f10e31f> in <module>
      5 chromedriver = '/home/user/다운로드'
      6 #드라이버 사용하겠다.
----> 7 driver = webdriver.Chrome(chromedriver)

~/anaconda3/lib/python3.7/site-packages/selenium/webdriver/chrome/webdriver.py in __init__(self, options, service, keep_alive)
    48         options,
    49         service,
----> 50         keep_alive,
    51     )

~/anaconda3/lib/python3.7/site-packages/selenium/webdriver/chromium/webdriver.py in __init__(self, browser_name, vendor_prefix, options, service, keep_alive)
    49         self.service = service
    50
----> 51         self.service.path = DriverFinder.get_path(self.service, options)
    52
    53         self.service.start()

~/anaconda3/lib/python3.7/site-packages/selenium/webdriver/common/driver_finder.py in get_path(service, options)
    38         path = SeleniumManager().driver_location(options) if path is None else path
    39         except Exception as err:
----> 40             msg = f"Unable to obtain driver for {options.capabilities['browserName']} using Selenium Manager."
    41             raise NoSuchDriverException(msg) from err
    42

```

AttributeError: 'str' object has no attribute 'capabilities'

In []: