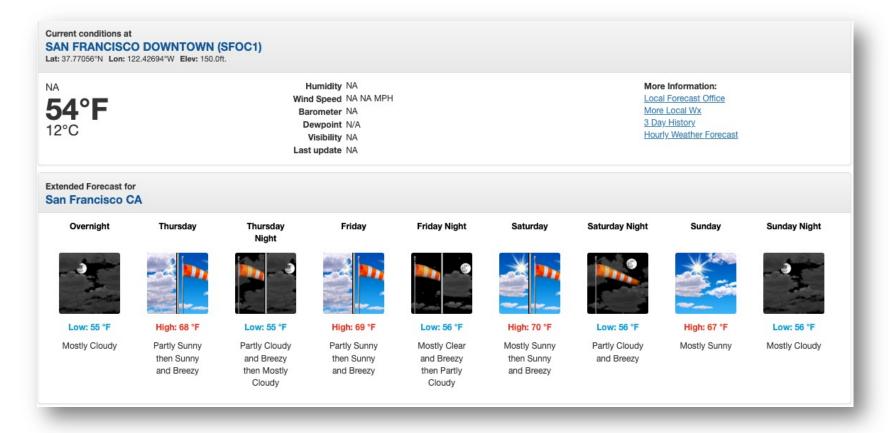
데이터 크롤링과 정제

과제 1번: Weather Service

National Weather Service (제출 파일: hw01-01.py)

- URL:
 - https://forecast.weather.gov/MapClick.php?lat=37.7772&lon=-122.4168#.Yst5ji9yxTY
- San Francisco Downtown



날씨 현황 HTML 분석



```
v<div id="seven-day-forecast" class="panel panel-default"> = $0

> < div class="panel-heading">...</div>
v<div class="panel-body" id="seven-day-forecast-body">
::before
v<div id="seven-day-forecast-container">
v

> ...
> ...
> ...
> ...
> ...
> ...
> ...
> ...
> ...
> ...
> ...
> ...
> ...
> ...
>
```

Scraping 4개 항목

- 일주일간의 일기예보 내용을 화면에 출력
 - 총 9일간의 일기예보 내용을 scraping



- 출력 항목 (4개 항목)
 - "Overnight"
 - Mostly Cloudy
 - Low 55 °F </P>
 - <img class="..." title="Overnight: Mostly cloudy, with a low around 55. West southwest wind around 13
 mph." >

과제 내용

- 2개의 함수를 작성
 - 출력 내용은 동일하지만, 아래 2개의 함수를 각각 구현하시오.
 - def scraping_use_find(html)
 - find(), find_all() 함수를 이용하여 스크레이핑
 - def scraping_use_select(html)
 - select(), select_one() 함수를 이용하여 스크레이핑

과제 출력 결과 #1: find_all() 및 find() 함수 사용

```
[find 함수 사용]
총 tomestone-container 검색 개수: 9
[Period]: Overnight
[Short desc]: Mostly Cloudy
[Temperature]: Low: 55 °F
[Image desc]: Overnight: Mostly cloudy, with a low around 55. West southwest wind around 13 mph.
[Period]: Thursday
[Short desc]: Partly Sunny then Sunny and Breezy
[Temperature]: High: 68 °F
[Image desc]: Thursday: Mostly cloudy, then gradually becoming sunny, with a high near 68. Breezy, with a west wind 11 to 16
mph increasing to 20 to 25 mph in the afternoon.
[Period]: Thursday Night
[Short desc]: Partly Cloudyand Breezythen MostlyCloudy
[Temperature]: Low: 55 °F
[Image desc]: Thursday Night: Increasing clouds, with a low around 55. Breezy, with a west southwest wind 19 to 24 mph
decreasing to 11 to 16 mph after midnight.
. . . 중간 생략
[Period]: Sunday Night
[Short desc]: Mostly Cloudy
[Temperature]: Low: 56 °F
[Image desc]: Sunday Night: Mostly cloudy, with a low around 56.
```

과제 출력 결과 #2: select() 및 select_one() 함수 사용

- scraping_use_select(html) 함수도 출력 결과는 동일

```
[select 함수 사용]
총 tomestone-container 검색 개수: 9
[Period]: Overnight
[Short desc]: Mostly Cloudy
[Temperature]: Low: 55 °F
[Image desc]: Overnight: Mostly cloudy, with a low around 55. West southwest wind around 13 mph.
[Period]: Thursday
[Short desc]: Partly Sunnythen Sunnyand Breezy
[Temperature]: High: 68 °F
[Image desc]: Thursday: Mostly cloudy, then gradually becoming sunny, with a high near 68. Breezy, with a west wind
11 to 16 mph increasing to 20 to 25 mph in the afternoon.
[Period]: Thursday Night
[Short desc]: Partly Cloudyand Breezythen MostlyCloudy
[Temperature]: Low: 55 °F
[Image desc]: Thursday Night: Increasing clouds, with a low around 55. Breezy, with a west southwest wind 19 to 24
mph decreasing to 11 to 16 mph after midnight.
.. . (생략)
[Period]: Sunday Night
[Short desc]: Mostly Cloudy
[Temperature]: Low: 56 °F
[Image desc]: Sunday Night: Mostly cloudy, with a low around 56.
```



Questions?