

# 데이터 크롤링과 정제

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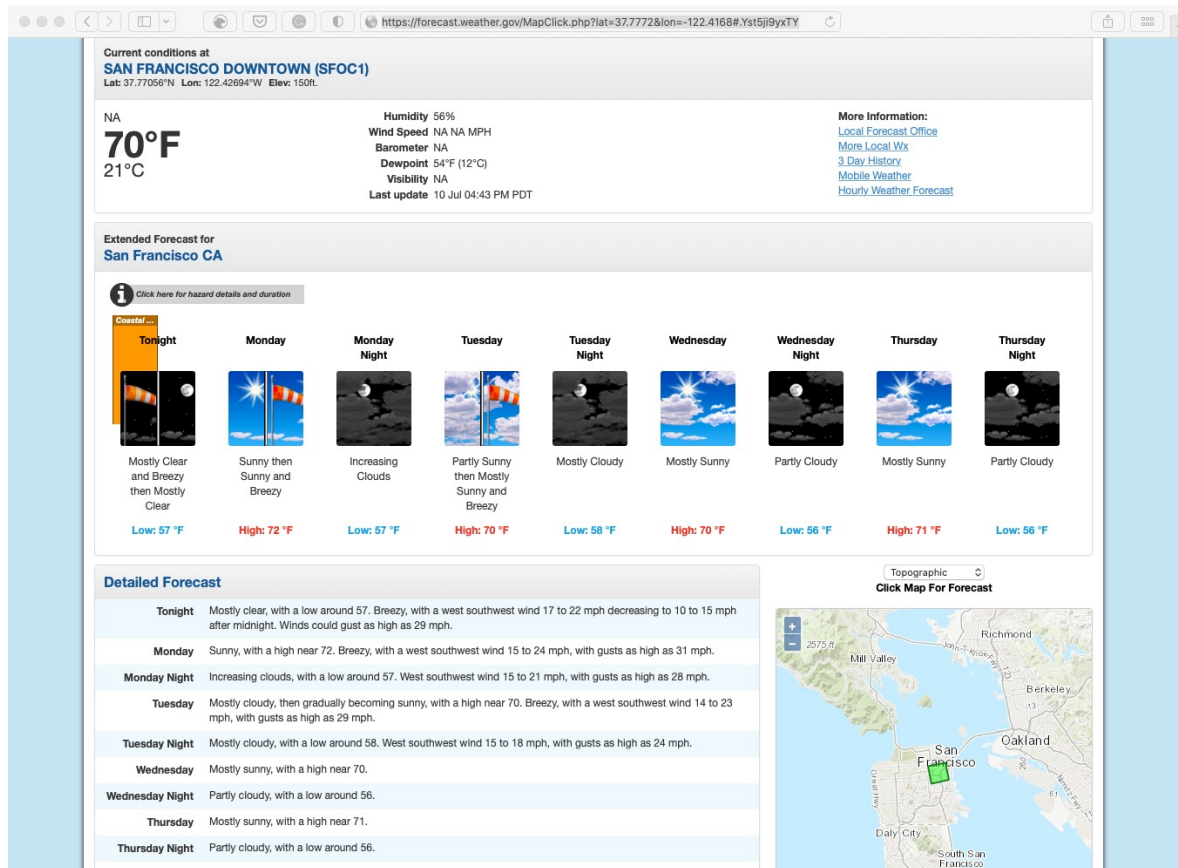
과제 1번: Weather Service

# National Weather Service

- URL

- <https://forecast.weather.gov/MapClick.php?lat=37.7772&lon=-122.4168#.Yst5ji9yxTY>

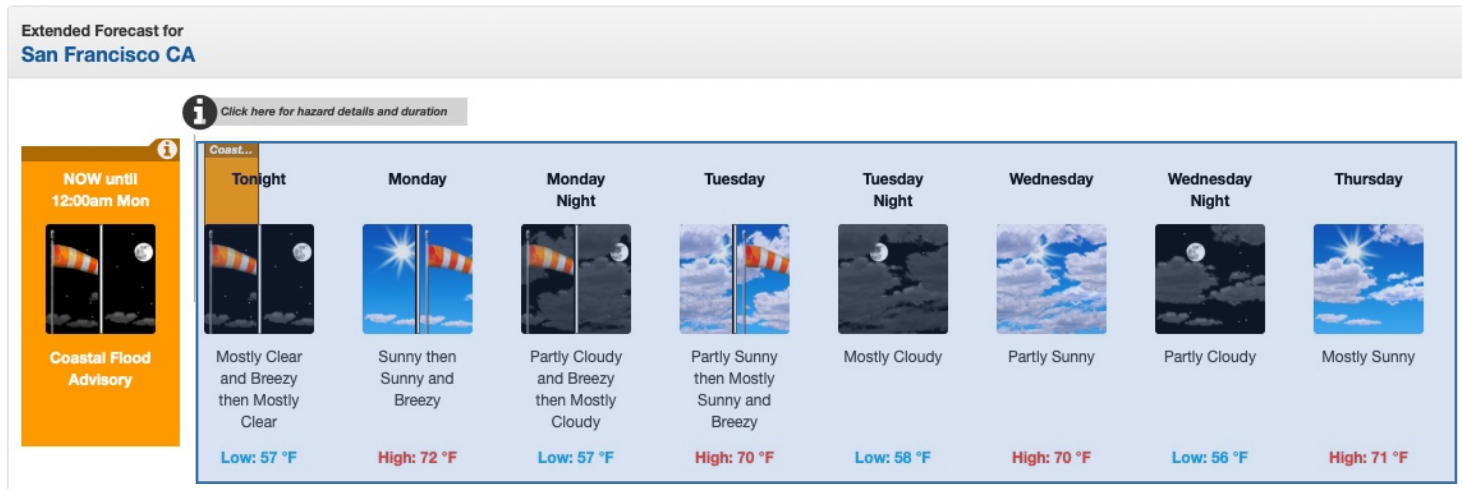
- San Francisco Downtown





# 과제 내용

- 일주일간의 일기예보 내용을 화면에 출력
  - 총 8일간의 일기예보 내용을 스크레이핑



- 출력 항목 (4개 항목)
  - period-name
  - short-desc
  - temp
  - <img title="...">

# 과제 내용

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- 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

National Weather Service Scraping

[find 함수 이용]

[Period]: Tonight

[Short desc]: Mostly Clear and Breezy then Mostly Clear

[Temperature]: Low: 57 °F

[Image desc]: Tonight: Mostly clear, with a low around 57. Breezy, with a west southwest wind 17 to 22 mph decreasing to 10 to 15 mph after midnight. Winds could gust as high as 28 mph.

[Period]: Monday

[Short desc]: Sunny then Sunny and Breezy

[Temperature]: High: 72 °F

[Image desc]: Monday: Sunny, with a high near 72. Breezy, with a west southwest wind 15 to 24 mph, with gusts as high as 31 mph.

[Period]: Monday Night

[Short desc]: Increasing Clouds

[Temperature]: Low: 57 °F

[Image desc]: Monday Night: Increasing clouds, with a low around 57. West southwest wind 15 to 21 mph, with gusts as high as 28 mph.

[Period]: Tuesday

[Short desc]: Partly Sunny then Mostly Sunny and Breezy

[Temperature]: High: 70 °F

[Image desc]: Tuesday: Mostly cloudy, then gradually becoming sunny, with a high near 70. Breezy, with a west southwest wind 14 to 23 mph, with gusts as high as 29 mph.

# 과제 출력 결과 #2

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```
[Period]: TuesdayNight  
[Short desc]: Mostly Cloudy  
[Temperature]: Low: 58 °F  
[Image desc]: Tuesday Night: Mostly cloudy, with a low around 58. West southwest wind 15 to 18 mph,  
with gusts as high as 24 mph.
```

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```
[Period]: Wednesday  
[Short desc]: Mostly Sunny  
[Temperature]: High: 70 °F  
[Image desc]: Wednesday: Mostly sunny, with a high near 70.
```

---

```
[Period]: WednesdayNight  
[Short desc]: Partly Cloudy  
[Temperature]: Low: 56 °F  
[Image desc]: Wednesday Night: Partly cloudy, with a low around 56.
```

---

```
[Period]: Thursday  
[Short desc]: Mostly Sunny  
[Temperature]: High: 71 °F  
[Image desc]: Thursday: Mostly sunny, with a high near 71.
```

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- `scraping_use_select(html)` 함수도 출력 결과는 동일



# Questions?