

## Extract Transform and Load

### Task:

1. Extract current weather data from the openweathermap api
2. A code has been written for you to extract the data
3. The data is returned as a json
4. Clean the data and extract only the necessary wether information
5. Save the data to a csv file
6. Using while loop and ``time`` module you should rerun the code every 10 minutes and populate the csv file.
7. After 5 hours terminate the process and submit the csv file

Below is a sample of how a response from the api looks like

JSON format API response example

```
{
  "coord": {
    "lon": 10.99,
    "lat": 44.34
  },
  "weather": [
    {
      "id": 501,
      "main": "Rain",
      "description": "moderate rain",
      "icon": "10d"
    }
  ],
  "base": "stations",
  "main": {
    "temp": 298.48,
    "feels_like": 298.74,
    "temp_min": 297.56,
    "temp_max": 300.05,
    "pressure": 1015,
    "humidity": 64,
    "sea_level": 1015,
    "grnd_level": 933
  },
  "visibility": 10000,
```

```
"wind": {
  "speed": 0.62,
  "deg": 349,
  "gust": 1.18
},
"rain": {
  "1h": 3.16
},
"clouds": {
  "all": 100
},
"dt": 1661870592,
"sys": {
  "type": 2,
  "id": 2075663,
  "country": "IT",
  "sunrise": 1661834187,
  "sunset": 1661882248
},
"timezone": 7200,
"id": 3163858,
"name": "Zocca",
"cod": 200
}
```