ETL Assignment Todo

- Read and understand ETL project requirements
- Choose and sign up for a weather API (Openweatherdata API, SMHI Open Data API, Danish Meteorological Institute - Open Data, or MET Norway Locationforecast)
- Create a GitHub repository for the project
- Set up the development environment
- Implement the ETL pipeline:
    - Raw data download from the chosen weather API
    - Save raw JSON data as text files for reference
    - Harmonise data to make it suitable for Pandas matplotlib
    - Copy harmonised data into the cleansed data stage
    - Test data suitability for presentation using linechart.py from Pandas samples
    - Transform Pandas data tables into SQL tables for the staged data
- (Optional for higher grades) Orchestrate the weather pipeline using Apache Airflow
- Write a README file for the project, including:
    - Project explanation
    - Group member names
    - Instructions for running and testing the project
    - Ideas for future improvements or additions
- Submit the project:
    - Compress the project into a zip file
    - Upload the zip file to LearnPoint
    - Provide the GitHub link in the comments of the hand-in
- Prepare a brief 1-2 minute presentation of the pipeline for Andreas, covering:
    - Code demonstration
    - Chosen data source
    - How the pipeline runs
- Schedule the presentation with Andreas (either online or in person)