Module 10 Read Me

There are two parts to this repository. The first is climate data where I took the starter code and SQLite data base using SQLAlchemy, Pandas, Matplotlib. I created an engine and used automap\_base to reflect the tables, then pinked Python to create a SQLAchemy session to perform the precipitation and station analysis.

The precipitation analysis was queried into 12 months of data. Using a Panadas DataFrame, I set an index and filtered by the date. Then I plotted the results using the plot method and printed the summary. Next, the station analysis was done by query the total number of stations and then designed a query to find the most active. Lastly, I created a query to find the lowest, highest, and average temperature for the most active station.

The second part consisted of creating a climate app and returning JSON. First, I imported Flask, and listed the routes that were given. Then I converted the above results date as a key and prcp and a value. I wrapped up the assignment by query dates and temps for the most active station and then getting the min, max, and avg for specific dates with a start and end date.