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Hackathon

My partner James and I worked on an API-based project using Python and Json. We made a program which takes a city name from the user, and uses an API key to send a request to Mapquest, which returns all information about that specific city. Then, we indexed through and extracted the latitude and longitude, which we used to pass to another website, Meteostat, to get all weather data from that city. We traversed through the data to store the city's weather station ID, as we needed it to use another API key to redirect a request to a daily weather site. We then stored this data in a Pandas DataFrame, and returned the weather data to the user. We came in with little knowledge about the project we were going to make, but after 12 hours, we learned a lot about API keys and Json programming!