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**P\S\L Group exercises**

**Exercise 1:**

I could not find any noticeable mistakes in the code given

**Exercise 2:**

This exercise was straightforward. I decided to create the new table by doing two inner joins from the existing tables to get the same information and data type. I consulted [www.w3schools.com](http://www.w3schools.com) to remember some SQL syntax because this is the webpage where I acquired most of my SQL knowledge

**Exercise 3:**

This exercise was challenging because I had not worked with reading many different files in the same directory before, so I had to do a little research and I stumbled upon this blog: <https://blr.design/blog/python-multiple-json-to-csv/> where I learned about the glob module, a module that can be used to retrieve files that match a specific pattern, in this case the pattern is the .JSON filename. I decided to put all the data from the JSON files in a dictionary so that it can be accessed once at the end to put it all in the TSV file instead of appending to the TSV file every time a file is accessed.

**Exercise 4:**

For this exercise, my first thought was to check the internet for flight databases where I could check this information freely, to no surprise I quickly found out that this information was widely available at a price, a price I was not willing to pay until I exhausted all my other options.

Me next order of business was to get in touch with an airport representative. I put in the call and long wait time later I got an answer, the representative told me that information is not centralized, that every airline has their own database. There are around 40 airlines in AICM (Aeropuerto Internacional de la Ciudad de Mexico) also known as Aeropuerto Internacional Benito Juarez. From my previous research, I had seen that the airline that had the highest number of delays was VIVA Aerobus, so I decided to contact them first. A phone later I was in contact with one of their representatives via Whats App.

The conversation didn’t get to far as the representative told me that the information about delayed flights was confidential, he only shared with me that the longest delay they had had in the last two days had been delayed around 5 hours. Having done all these things to no avail, I decided to pay a small fee to get the information I needed. I thus proceeded to pay the fee and wait for an answer, it has now been 12 hours and I am still waiting to get my confirmation email so that I can access the information needed.

The best information I could get so far was the number of delays there has been in the last couple of days. I got this information from <https://flightaware.com/live/cancelled/yesterday/MMMX> since it is one of the few webpages that will give you yesterday’s information at no charge.

The number of flights delayed per day to or from Mexico City:

Thursday 29th July: 179 delayed flights

Wednesday 28th July: 268 delayed flights

Tuesday 27th July: 224 delayed flights