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Project 1

The only dependencies for this project are python 3.7 and feedparser. To run the program simply make sure you have feedparser imported into pycharm and hit run. The .db file is created automatically by the program and will appear in the project directory.

The way I implemented the project is pretty basic due to my own constraints on time. In the zip file is a jobs.py file. I originally wanted to create a job class that you would take the data from the feed, then use that to populate the database, but this turned out to have many unforeseen issues, so I ended up just adding variables for the attributes and adding them that way. I chose to use if else statements to populate the database because it was my first thought. I tried to go back and use defaults in the create\_db() function, but found that it was populating anything that should have a none with the previous entry, so I decided to move on. The for loop seemed like the simplest way to input the data. For each entry simply get all the attributes for the given entry and then put them into the database as many times as need be, in this case, 1000. I split the project into 3 functions for clarity. main() creates the .db file and the cursor, create\_db() creates the structure of the database and adds it to the .db file and populate\_db() parses the feed and organizes the data into the database. I chose to use text for all the entries for the sake of readability. Most of the data from the RSS feed was a string by default after parsing, and anything that was not was easily converted from non-standard data types such as FeedParserDict. Now, as long as you can read through the HTML, all the data can be read using a program like DB Browser