**Database Creation**

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated with medium confidence

**Mongo DB Queries**

A screenshot of a computer screen

Description automatically generated with medium confidence

A screenshot of a computer program

Description automatically generated with medium confidence

A screenshot of a computer program

Description automatically generated with medium confidence

A picture containing text, screenshot, font

Description automatically generated

**MongoDB Aggregation Pipeline**

The unwind command transforms an array of n elements into n documents, mapping each document to one element of the array. The documents are then passed on to the next stage of the pipeline.

Match is part of the aggregation framework and allows us to project only the fields that are needed in the results set. In our case only companies that have offices in the USA. We then group the offices by state code and then count the number of offices in those states.

A screen shot of a computer

Description automatically generated with medium confidence