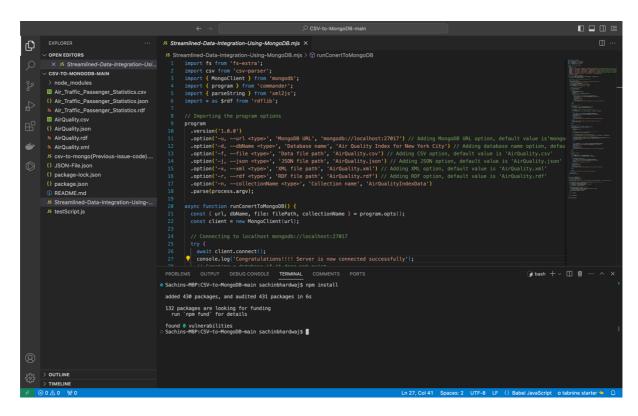
Project On Streamline Data Integration using MongoDB

Please Find the below step by step screenshots

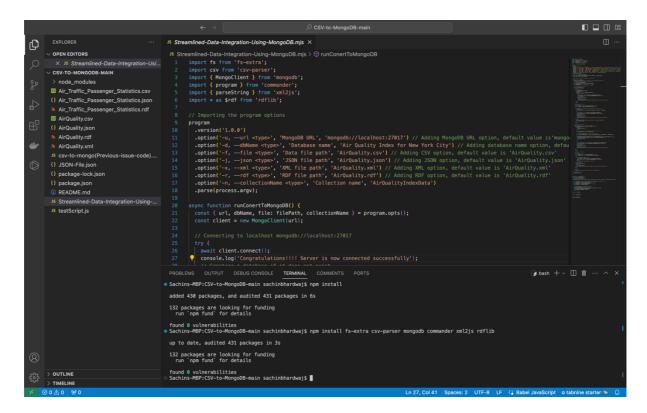
1. Install npm

Command: npm install

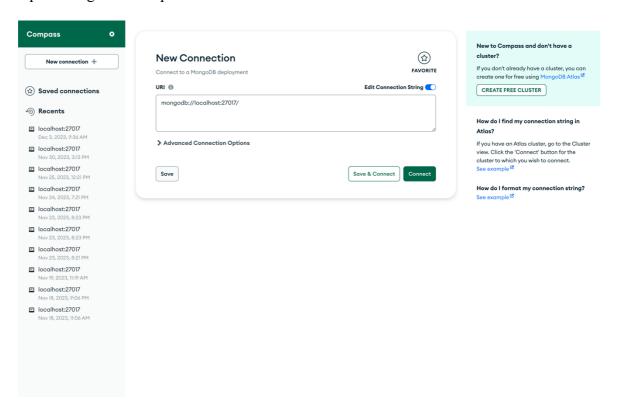


2. Install Dependencies

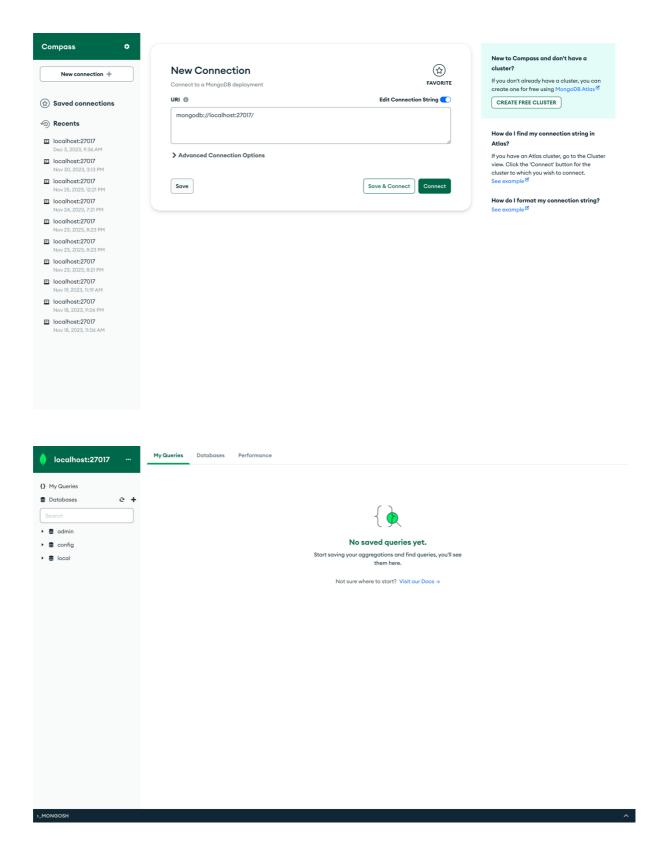
Command: npm install fs-extra csv-parser mongodb commander xml2js rdflib



3. Open MongoDB Compass



 Connect to mongoDB Compass in the URI box mongodb://localhost:27017

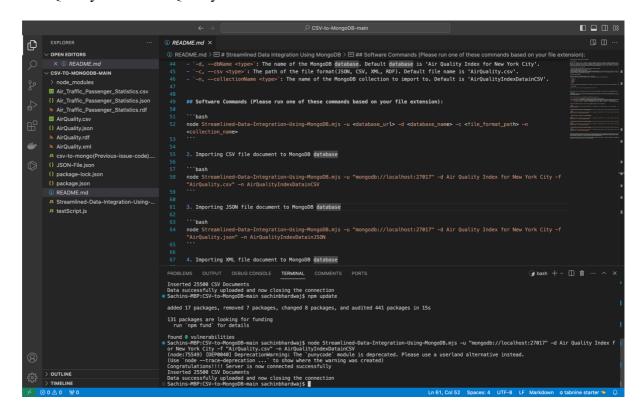


5. Commands in bash shell

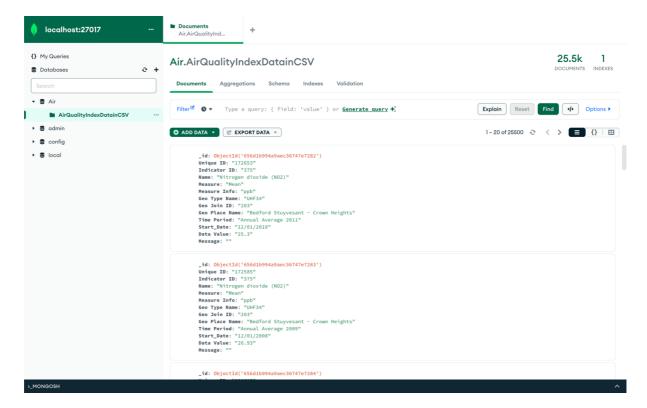
I. Importing CSV file document to MongoDB database:

Command:

node Streamlined-Data-Integration-Using-MongoDB.mjs -u "mongodb://localhost:27017" -d Air Quality Index for New York City -f "AirQuality.csv" -n AirQualityIndexDatainCSV



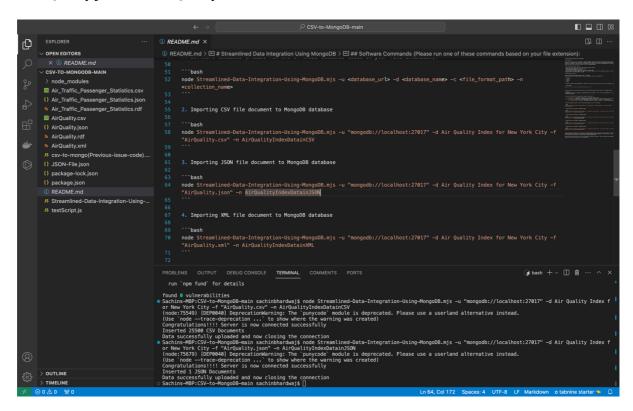
MongoDB



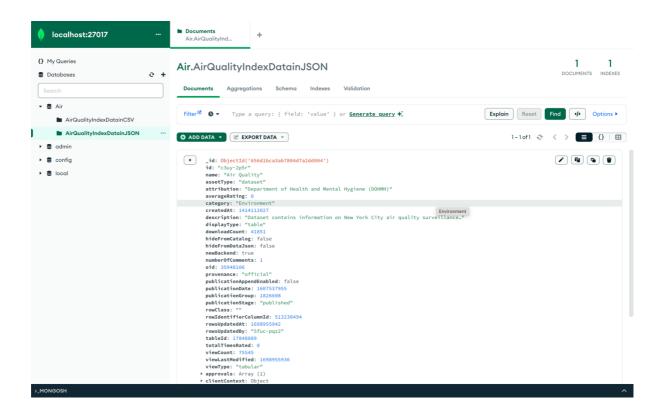
II. Importing JSON file document to MongoDB database:

Command:

node Streamlined-Data-Integration-Using-MongoDB.mjs -u "mongodb://localhost:27017" -d Air Quality Index for New York City -f "AirQuality.json" -n AirQualityIndexDatainJSON



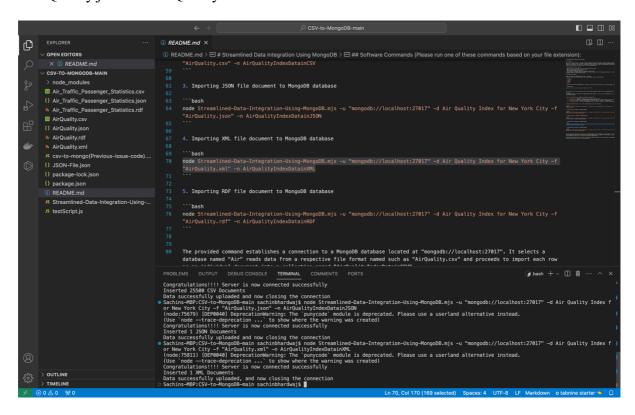
MongoDB



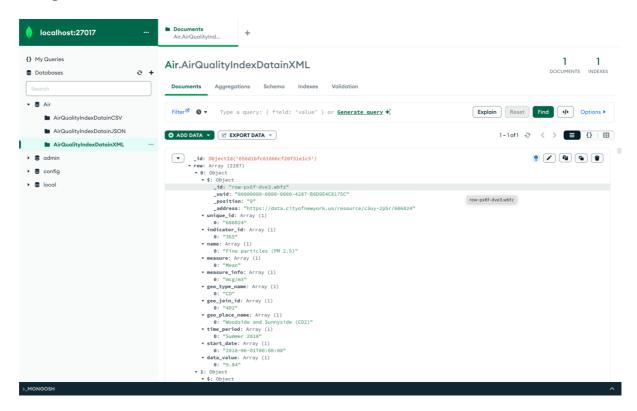
III. Importing XML file document to MongoDB database:

Command:

node Streamlined-Data-Integration-Using-MongoDB.mjs -u "mongodb://localhost:27017" -d Air Quality Index for New York City -f "AirQuality.json" -n AirQualityIndexDatainJSON



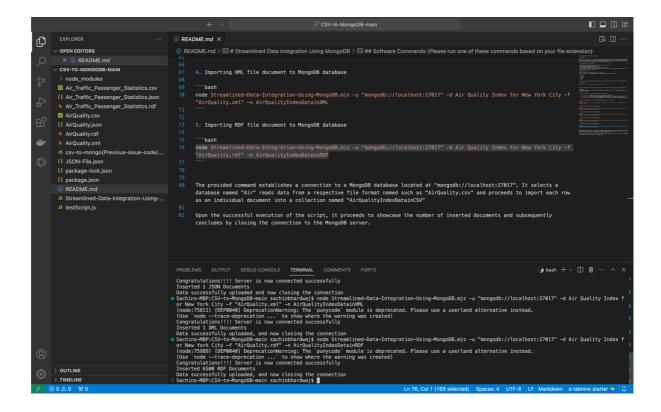
MongoDB



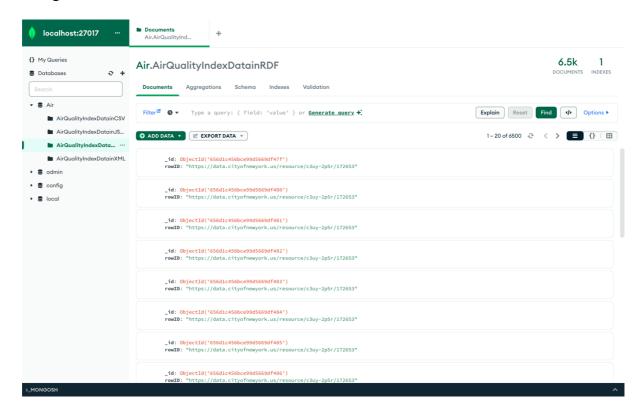
IV. Importing RDF file document to MongoDB database

Command:

node Streamlined-Data-Integration-Using-MongoDB.mjs -u "mongodb://localhost:27017" -d Air Quality Index for New York City -f "AirQuality.json" -n AirQualityIndexDatainJSON



MongoDB



In this situation, there appears to be an issue with the row_id, although the RDF document was successfully uploaded to MongoDB. This case will be considered as a failed scenario.