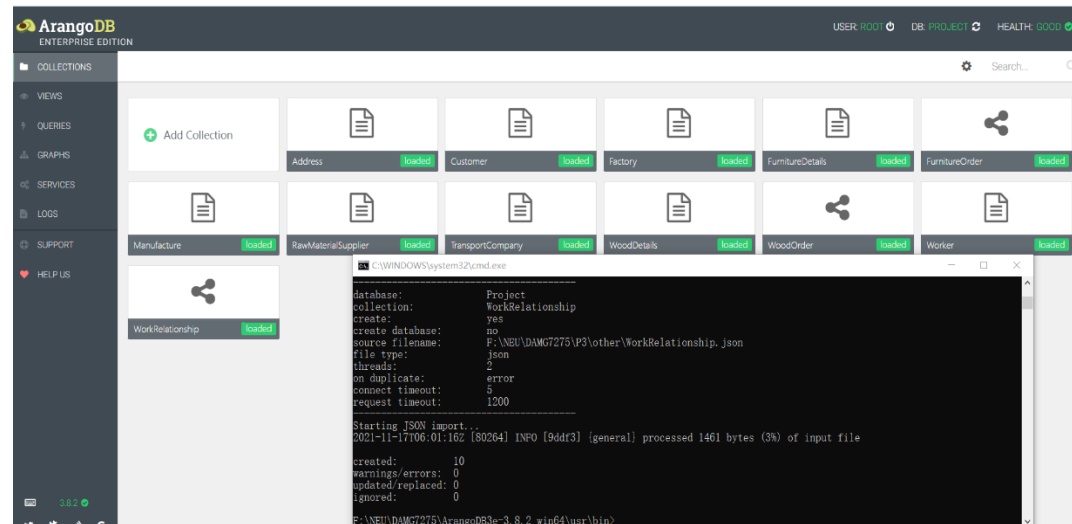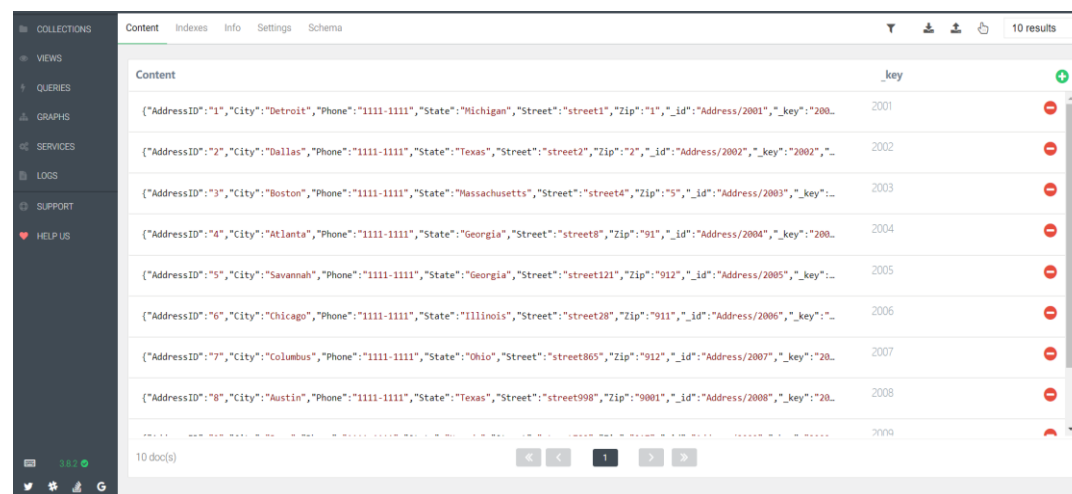# Description For P3

A. Import Data Into DataBase

First, import the json format data files into the database, using the import tool from ArangoDB, result shown in the figure. Code is attached in the end.
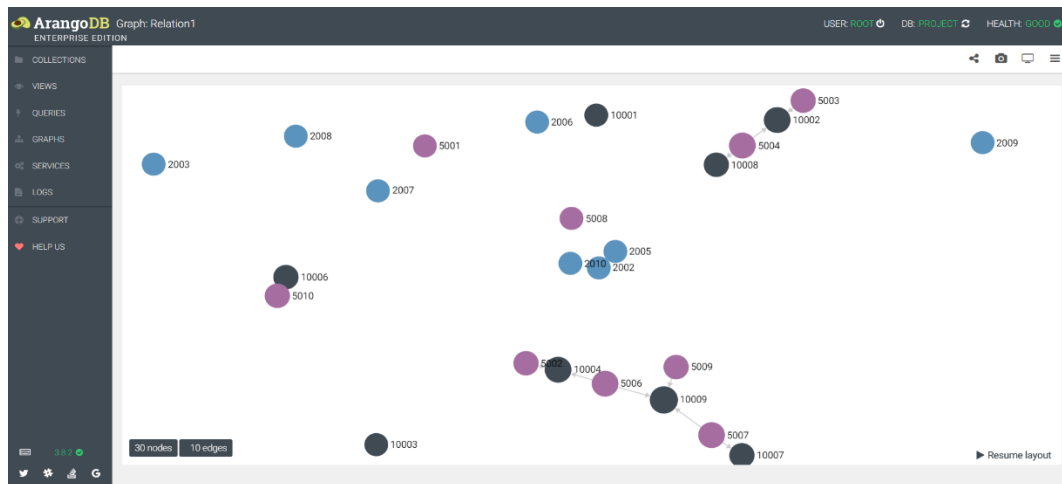

Here is the data inside the collections
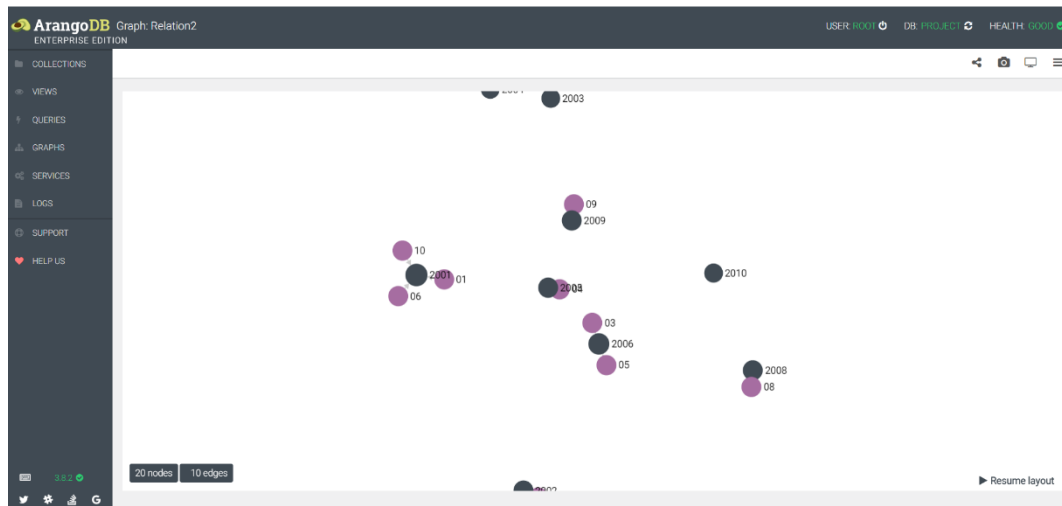

B. Some Multi-Model Result

1. Relation Graph Between RawMaterialSupplier and Manufacturer's Factory

We used the Graph function in ArangoDB to show the relationship between RawMaterialSupplier and Factory. Supplier supply some wood and Factory receive these wood. The Collections involved include RawMaterialSupplier, Factory, and WoodOrder(edge).
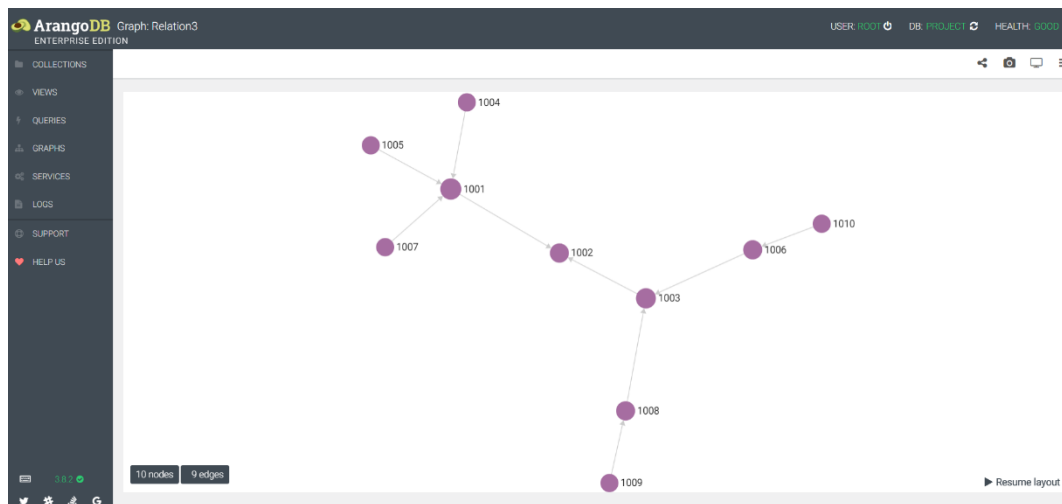
2. Relation Graph Between Customer and Manufacturer

The Graph of Customer and Manufacturer, Customer will have some order and Manufacturer should receive these orders. Collections involved include Customer, Manufacturer and FurnitureOrder(edge).

3. Relation Graph Inside Workers

The Graph shows the relationship of worker, include manager and common worker, collections involved include Worker and WorkRelationship(edge).

Code Attached

1. Import Collections

arangoimport --file xxx --collection xxx--create-collection true --type json --server.database xxx

2. Import Edges

arangoimport --file xxx --collection xxx --create-collection true --type json --create-collection-type edge --server.database xxx