

MONGODB PEER LEARNING DOCUMENTATION

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PEER 2: Varun Kumar S

- **Loading Data into database**

All of us used MongoClient from the pymongo library to establish a connection between python and MongoDB. But loading data was quite different.

Varun & I loaded data using mongoimport for inserting data into MongoDB for which os.system() method was used. While **Surjeet** loaded data using pymongo methods. He first loaded data for each document into json format and then inserted the list of documents into the database for each collection.

- **Adding new Document**

New documents were added into the MongoDB database using insert_one() method. Created a function which gets database name and document to be inserted as arguments and then run mongodb query to insert.

Surjeet stored reference data into files and then loaded it into json format and then called the respective function to insert documents into the respective database. While **Varun** kept only one document to insert and inserted into the database creating different functions for different databases. While **I** created only one function which will take input of database name as well and use it in query call.

- **Executing Queries**

Surjeet created functions to evaluate every query which returns data in json format to be displayed on the webpage. He used Flask to create a local web API which shows all the output based on the API link requested. Also, He used HTML to create frontends for each API route.

While **Varun** stored the output data into files. Each query had a different output file. Most of the files were textfiles and few were json files to make the result more readable.