

Mongo DB is a NoSQL . document oriented database that uses JSON like documents with optional schemas

schema less - Document is a collection, do not need to have the same structure

Indexing - support indexing for efficient query

### Data Modeling

Document : BSON (Binary JSON) format, supports embedded document & array.

JSON

```
{  
  "id" : "Object id ( "50167617k686cd7")",  
  "name" : "Mayank"  
}
```

### CRUD Operation

& Insert the document into a collection

JavaScript

```
db.collection.insertOne( { "name" : "Mayank" } );
```



Aggregation

Purpose : Process and retrieve ~~complicated~~ reward

Pipeline : consist of stages that transform document

Javascript

~~db~~ db.collection.aggregate( { \$match : (states "A") }