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Spring Boot 9AM
Mr. RAGHU

MongoDB Document

<https://docs.mongodb.com/v3.6/tutorial/insert-documents/>

MongoDB Commands

```
#1. Download and install MongoDB 3.6
#2. set path : C:\Program Files\MongoDB\Server\3.6\bin
#3. create a folder 'data' under C:/ drive
    and 'db' under 'data' folder
    C:\
      |- data
      |- db
#4. Start MongoDB Server
    cmd> mongod (starts on port number : 27017)

#5. Start MongoDB Client/UI (Robo3T)
    cmd> mongo

#6. MongoDB Client Commands
=> To see current database
> db
=> To view all databases
> show dbs;

=> To create(if not exist)/enter into Database
> use <databaseName>
> use sample
(creates sample database, after creating atleast one collection)

=> Collection is created when we insert data
    (SQL 1st Table 2nd Insert rows)
    (NoSQL 1st insert row -> create collection and insert row)

> db.<collectionName>.insert({ k:v });
> db.student.insert({"sid":10,"sname":"A","sfee":3.2});

*) MongoDB generates one PK field/key with HexaDecimal value
    created with name _id : ObjectId("_____")
    ie _id behaves like primary key.

=> To view all collections exist in db
> show collections

=> To view all JSON Documents in collection
> db.<collectionName>.find();
> db.student.find();

=> To view output in pretty print
> db.student.find().pretty();

=> Pass conditios for data fetch (where condition)
//SQL: select * from student where sid=11
```

```
> db.student.find({"sid":11}).pretty();
```

```
//SQL: select _id, sname from student where sid=11  
> db.student.find({"sid":11}, {"sname":1}).pretty();
```

=> To Delete one collection

```
> db.student.drop();
```

=> To delete current database

```
> db.dropDatabase();
```

```
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Symbol      MongoDB Code  
<           {$lt : val}  
<=          {$lte: val}  
>           {$gt : val}  
>=          {$gte: val}  
!=          {$ne : val}  
...etc
```

```
//SQL: select * from student where sid>=10  
db.student.find({"sid": {$gte:10}}).pretty();
```

```
//SQL: select * from student where sid!=10  
db.student.find({"sid": {$ne:10}}).pretty();
```