Create database:

```
use database_name;
```

create a collection:

```
db.createCollection("collection_name");
```

insert into collections

- insertOne()

```
db.collection_name.insertOne()
```

eg:

```
db.products.insertOne({"product_id": 1, "product_name": "IPhone 13", "category":
"Electronics", "price": 200000})
```

- inserMany()

```
db.collection_name.insertMany([{}, {} ..])
```

show all docs

```
db.collection_name.find()
```

show document using filter

can have query inside: `db.products.find({"product_id": 1})`

- it can also have operators:

```
db.products.find({"price": {$gt: 100000}})
```

- `$gt`: greater than
- `$lt`: less than

- `$gte`: greater than equal to
- `$lte`: less than equal to

Update documents:

- update single document

```
db.collection_name.updateOne({find query}, {$set{new values}})
```

```
db.products.updateOne(
  {"product_id": 1},
  {$set:{"discount": 10}}
)

db.products.updateOne(
  {"product_id": 1},
  {$set:{"price": 10}}
)
```

- update multiple documents:

```
db.products.updateMany(
  {"category": "Electronics"},
  {$set:{"discount": "10%"}}
)
```

Delete records

- delete a single record:

```
db.products.deleteOne({"product_id": 1})
```

- delete multiple records

```
db.products.deleteMany({"price": {$gte: 100000}})

db.products.deleteMany({"price": {$lte: 100000},"price": {$gte: 50000}})
```

show number of documents in collection:

```
db.products.countDocuments()
```

delete a collection

- drop current collection

```
db.products.drop()
```

- drop current database

```
db.dropDatabase()
```

Why?

- NoSQL databases can store both structured and unstructured data.
- multiple sources like(xml, csv, one is url with json etc.)