How to create Collection & Document

1. Open command prompt
2. Type **"mongosh"** then **"enter"**

```
Command Prompt
Microsoft Windows [Version 10.0.22000.613]
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C:\Users\hp>mongosh
```

3. Insert DataBase

```
test> use Bikas
```

Now we create collection (in **SQL** database is **Table** based but **NOSQL** database is **collection** based). If we don't create collection and document the database don't show.

Single document insert

4. Create collection & document: **db.collection_Name.Document({key: value})**

```
Bikas> db.course.insertOne({"C_Name":"ML", "Duration":"2.5"})
```

5.
6. Now show how much collection have in database.

Command write :   **'show collections'**
```
Bikas> show collections
```

Output:
```
Bikas> show collections
course
```
output

7. Show documents which are in database.

   Command: **db.getCollectionInfos({name:"collection_Name"})**

collection_Name means which collection's document you want to see.

```
Bikas> db.getCollectionInfos({name:"course"})
[
  {
    name: 'course',
    type: 'collection',
    options: {},
    info: {
      readOnly: false,
      uuid: UUID("50905d7e-d37f-4ae1-865e-17bde09f84fa")
    },
    idIndex: { v: 2, key: { _id: 1 }, name: '_id_' }
  }
]
```

8. Create multiple documents

Command: **db.course.insertMany([{},{}])**

```
Bikas> db.course.insertMany(
... [
... {"C_Name":"ML",
..... "Duration":2.5},
... {"C_Name":"DL",
..... "Duration":2.5},
... {"C_Name":"DA",
..... "Duration":2.5}
... ]
... )
```

9. Retrieved data: command: **db.collection_Name.find()**

```
Bikas> db.course.find()
[
  {
    _id: ObjectId("626169ce52030bd86074d265"),
    C_Name: 'ML',
    Duration: '2.5'
  },
  {
    _id: ObjectId("62617c7152030bd86074d266"),
    C_Name: 'ML',
    Duration: 2.5
  },
  {
    _id: ObjectId("62617c7152030bd86074d267"),
    C_Name: 'DL',
    Duration: 2.5
  },
  {
    _id: ObjectId("62617c7152030bd86074d268"),
    C_Name: 'DA',
    Duration: 2.5
  }
]
```

10. Only one document retrieved: command:
    'd.collecetion_Name.findOne()

```
Bikas> db.course.findOne()
{
  _id: ObjectId("626169ce52030bd86074d265"),
  C_Name: 'ML',
  Duration: '2.5'
}
```

11. Retrieved document using key: command:
    'db.collection_name.find(coumn_name : "key")

```
Bikas> db.course.find({C_Name:"DA"})
[
  {
    _id: ObjectId("62617c7152030bd86074d268"),
    C_Name: 'DA',
    Duration: 2.5
  }
]
```