

INDEXES

Creating Index

```
> db.contacts.createIndex({"dob.age":1})
{
  "createdCollectionAutomatically" : true,
  "numIndexesBefore" : 1,
  "numIndexesAfter" : 2,
  "ok" : 1
}
```

Dropping Indexes

```
> db.contacts.dropIndex({"dob.age":1})  
{ "nIndexesWas" : 2, "ok" : 1 }
```

Single Index & Compound Index

```
> db.contacts.createIndex({"email":1})
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 2,
  "numIndexesAfter" : 3,
  "ok" : 1
}
```

```
> db.contacts.createIndex({"email":1,"phone":1})
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 3,
  "numIndexesAfter" : 4,
  "ok" : 1
}
```

Unique Index

TTL Index

```
> db.contacts.createIndex({"name":1},{expireAfterSeconds:10})
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 4,
  "numIndexesAfter" : 5,
  "ok" : 1
}
```

```
> db.contacts.createIndex({"email":1,"phone":1},{unique:1})
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 3,
  "numIndexesAfter" : 4,
  "ok" : 1
}
```

Partial Filter Index

```
> db.movies.createIndex({"rating.average":1},{partialFilterExpression: { rating: { $gt: 5 } } })
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 1,
  "numIndexesAfter" : 2,
  "ok" : 1
}
```