

Create additional sharded collections

Create additional collections:

Open windows cmd prompt and connect to mongos

```
mongo --port 27200
```

```
mongos> use mongoMart
```

switched to db mongoMart

```
mongos> sh.shardCollection("mongoMart.restaurants",{"_id":"hashed"})
```

Open another windows cmd prompt and run import as :

```
mongoimport --port 27200 --db mongoMart --collection restaurants --file restaurants.json
```

```
2021-05-24T11:32:59.200-0400 connected to: mongodb://localhost:27200/
2021-05-24T11:33:02.200-0400 [#.....] mongoMart.restaurants 7.56MB/144MB
(5.3%)
2021-05-24T11:33:05.200-0400 [##.....] mongoMart.restaurants
13.8MB/144MB (9.6%)
2021-05-24T11:33:08.200-0400 [##.....] mongoMart.restaurants
16.1MB/144MB (11.2%)
2021-05-24T11:33:11.200-0400 [###.....] mongoMart.restaurants
21.9MB/144MB (15.2%)
2021-05-24T11:33:14.201-0400 [####.....] mongoMart.restaurants
26.9MB/144MB (18.7%)
2021-05-24T11:33:17.200-0400 [#####.....] mongoMart.restaurants
34.7MB/144MB (24.1%)
2021-05-24T11:33:20.201-0400 [#####.....] mongoMart.restaurants
42.6MB/144MB (29.7%)
2021-05-24T11:33:23.201-0400 [#####.....] mongoMart.restaurants
50.0MB/144MB (34.8%)
2021-05-24T11:33:26.200-0400 [#####.....] mongoMart.restaurants
55.0MB/144MB (38.3%)
2021-05-24T11:33:29.200-0400 [#####.....] mongoMart.restaurants
61.5MB/144MB (42.8%)
2021-05-24T11:33:32.201-0400 [#####.....] mongoMart.restaurants
67.0MB/144MB (46.6%)
2021-05-24T11:33:35.200-0400 [#####.....] mongoMart.restaurants
74.4MB/144MB (51.8%)
```

```

2021-05-24T11:33:38.201-0400 [#####.....] mongoMart.restaurants
82.3MB/144MB (57.3%)
2021-05-24T11:33:41.202-0400 [#####.....] mongoMart.restaurants
90.3MB/144MB (62.8%)
2021-05-24T11:33:44.201-0400 [#####.....] mongoMart.restaurants
98.2MB/144MB (68.3%)
2021-05-24T11:33:47.200-0400 [#####.....] mongoMart.restaurants
104MB/144MB (72.6%)
2021-05-24T11:33:50.201-0400 [#####.....] mongoMart.restaurants
110MB/144MB (76.4%)
2021-05-24T11:33:53.200-0400 [#####.....] mongoMart.restaurants
115MB/144MB (79.8%)
2021-05-24T11:33:56.200-0400 [#####....] mongoMart.restaurants
120MB/144MB (83.4%)
2021-05-24T11:33:59.201-0400 [#####...] mongoMart.restaurants
126MB/144MB (87.8%)
2021-05-24T11:34:02.200-0400 [#####..] mongoMart.restaurants
134MB/144MB (93.3%)
2021-05-24T11:34:05.200-0400 [#####.] mongoMart.restaurants
140MB/144MB (97.7%)
2021-05-24T11:34:07.325-0400 [#####] mongoMart.restaurants
144MB/144MB (100.0%)
2021-05-24T11:34:07.325-0400 1000000 document(s) imported successfully. 0 document(s)
failed to import

```

Verify shard distribution

```
mongos> db.restaurants.getShardDistribution()
```

```
mongos> sh.shardCollection("mongoMart.orders",{"_id":"hashed"})
```

(you can use order_id as shard key and create unique index on order_id)

Open another windows cmd prompt and run import as :

```
mongoimport --port 27200 --db mongoMart --collection order --file
orders_202102171510.json
```