

26. Using MapReduce in mongodb solve following queries on given below collection.

1. Import zip.json.

2. Find total population in each state.

Query 1: import the zip.json file

```
mongoimport --db your_database_name --collection zipcodes --file  
/path/to/zip.json;
```

Query 2: // Map Function

```
var mapFunction = function() {  
    emit(this.state, this.pop); // Emit each state's population  
};
```

Query 3: // Reduce Function

```
var reduceFunction = function(key, values) {  
    return Array.sum(values); // Sum populations for each state  
};
```

Query 4: // Run MapReduce

```
db.zipcodes.mapReduce(  
    mapFunction,  
    reduceFunction,  
    {  
        out: "state_population_totals" // Output collection  
    }  
);
```

Query 5:

```
db.state_population_totals.find().pretty();
```