C:\Program Files\MongoDB\Server\4.4\bin>mongoimport --host cluster0-shard-00-01.wor7a.mongodb.net:27017 --db populationb --collection zipcodes --type json --file C:\Users\BHUVAN\Downloads\zip.json --authenticationDatabase admin --ssl --username Bhuvan --password xxxxxxx

2021-05-22T16:13:32.787+0530 connected to: mongodb://cluster0-shard-00-01.wor7a.mongodb.net:27017/

2021-05-22T16:13:34.029+0530 continuing through error: E11000 duplicate key error collection: populationb.zipcodes index: \_id\_ dup key: { \_id: "01001" }

2021-05-22T16:13:35.791+0530 [#####...................] populationb.zipcodes 752KB/3.03MB (24.2%)

2021-05-22T16:13:38.788+0530 [############............] populationb.zipcodes 1.62MB/3.03MB (53.3%)

2021-05-22T16:13:41.788+0530 [##################......] populationb.zipcodes 2.39MB/3.03MB (78.7%)

2021-05-22T16:13:44.788+0530 [#######################.] populationb.zipcodes 3.00MB/3.03MB (98.9%)

2021-05-22T16:13:45.146+0530 [########################] populationb.zipcodes 3.03MB/3.03MB (100.0%)

2021-05-22T16:13:45.147+0530 29352 document(s) imported successfully. 1 document(s) failed to import.

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.find({"city": "ATLANTA"})

{ "\_id" : "14808", "city" : "ATLANTA", "loc" : [ -77.480091, 42.556269 ], "pop" : 472, "state" : "NY" }

{ "\_id" : "30303", "city" : "ATLANTA", "loc" : [ -84.388846, 33.752504 ], "pop" : 1845, "state" : "GA" }

{ "\_id" : "30305", "city" : "ATLANTA", "loc" : [ -84.385145, 33.831963 ], "pop" : 19122, "state" : "GA" }

{ "\_id" : "30310", "city" : "ATLANTA", "loc" : [ -84.423173, 33.727849 ], "pop" : 34017, "state" : "GA" }

{ "\_id" : "30311", "city" : "ATLANTA", "loc" : [ -84.470219, 33.722957 ], "pop" : 34880, "state" : "GA" }

{ "\_id" : "30312", "city" : "ATLANTA", "loc" : [ -84.378125, 33.746749 ], "pop" : 17683, "state" : "GA" }

{ "\_id" : "30306", "city" : "ATLANTA", "loc" : [ -84.351418, 33.786027 ], "pop" : 20081, "state" : "GA" }

{ "\_id" : "30315", "city" : "ATLANTA", "loc" : [ -84.380771, 33.705062 ], "pop" : 41061, "state" : "GA" }

{ "\_id" : "30316", "city" : "ATLANTA", "loc" : [ -84.333913, 33.721686 ], "pop" : 34668, "state" : "GA" }

{ "\_id" : "30314", "city" : "ATLANTA", "loc" : [ -84.425546, 33.756103 ], "pop" : 26649, "state" : "GA" }

{ "\_id" : "30309", "city" : "ATLANTA", "loc" : [ -84.388338, 33.798407 ], "pop" : 14766, "state" : "GA" }

{ "\_id" : "30313", "city" : "ATLANTA", "loc" : [ -84.39352, 33.76825 ], "pop" : 8038, "state" : "GA" }

{ "\_id" : "30317", "city" : "ATLANTA", "loc" : [ -84.31685, 33.749788 ], "pop" : 16395, "state" : "GA" }

{ "\_id" : "30318", "city" : "ATLANTA", "loc" : [ -84.445432, 33.786454 ], "pop" : 53894, "state" : "GA" }

{ "\_id" : "30326", "city" : "ATLANTA", "loc" : [ -84.358232, 33.848168 ], "pop" : 125, "state" : "GA" }

{ "\_id" : "30324", "city" : "ATLANTA", "loc" : [ -84.354867, 33.820609 ], "pop" : 15044, "state" : "GA" }

{ "\_id" : "30307", "city" : "ATLANTA", "loc" : [ -84.335957, 33.769138 ], "pop" : 16330, "state" : "GA" }

{ "\_id" : "30308", "city" : "ATLANTA", "loc" : [ -84.375744, 33.771839 ], "pop" : 8549, "state" : "GA" }

{ "\_id" : "30319", "city" : "ATLANTA", "loc" : [ -84.335091, 33.868728 ], "pop" : 32138, "state" : "GA" }

{ "\_id" : "30327", "city" : "ATLANTA", "loc" : [ -84.419966, 33.862723 ], "pop" : 18467, "state" : "GA" }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate({$match:{"city": "ATLANTA"}})

{ "\_id" : "14808", "city" : "ATLANTA", "loc" : [ -77.480091, 42.556269 ], "pop" : 472, "state" : "NY" }

{ "\_id" : "30303", "city" : "ATLANTA", "loc" : [ -84.388846, 33.752504 ], "pop" : 1845, "state" : "GA" }

{ "\_id" : "30305", "city" : "ATLANTA", "loc" : [ -84.385145, 33.831963 ], "pop" : 19122, "state" : "GA" }

{ "\_id" : "30310", "city" : "ATLANTA", "loc" : [ -84.423173, 33.727849 ], "pop" : 34017, "state" : "GA" }

{ "\_id" : "30311", "city" : "ATLANTA", "loc" : [ -84.470219, 33.722957 ], "pop" : 34880, "state" : "GA" }

{ "\_id" : "30312", "city" : "ATLANTA", "loc" : [ -84.378125, 33.746749 ], "pop" : 17683, "state" : "GA" }

{ "\_id" : "30306", "city" : "ATLANTA", "loc" : [ -84.351418, 33.786027 ], "pop" : 20081, "state" : "GA" }

{ "\_id" : "30315", "city" : "ATLANTA", "loc" : [ -84.380771, 33.705062 ], "pop" : 41061, "state" : "GA" }

{ "\_id" : "30316", "city" : "ATLANTA", "loc" : [ -84.333913, 33.721686 ], "pop" : 34668, "state" : "GA" }

{ "\_id" : "30314", "city" : "ATLANTA", "loc" : [ -84.425546, 33.756103 ], "pop" : 26649, "state" : "GA" }

{ "\_id" : "30309", "city" : "ATLANTA", "loc" : [ -84.388338, 33.798407 ], "pop" : 14766, "state" : "GA" }

{ "\_id" : "30313", "city" : "ATLANTA", "loc" : [ -84.39352, 33.76825 ], "pop" : 8038, "state" : "GA" }

{ "\_id" : "30317", "city" : "ATLANTA", "loc" : [ -84.31685, 33.749788 ], "pop" : 16395, "state" : "GA" }

{ "\_id" : "30318", "city" : "ATLANTA", "loc" : [ -84.445432, 33.786454 ], "pop" : 53894, "state" : "GA" }

{ "\_id" : "30326", "city" : "ATLANTA", "loc" : [ -84.358232, 33.848168 ], "pop" : 125, "state" : "GA" }

{ "\_id" : "30324", "city" : "ATLANTA", "loc" : [ -84.354867, 33.820609 ], "pop" : 15044, "state" : "GA" }

{ "\_id" : "30307", "city" : "ATLANTA", "loc" : [ -84.335957, 33.769138 ], "pop" : 16330, "state" : "GA" }

{ "\_id" : "30308", "city" : "ATLANTA", "loc" : [ -84.375744, 33.771839 ], "pop" : 8549, "state" : "GA" }

{ "\_id" : "30319", "city" : "ATLANTA", "loc" : [ -84.335091, 33.868728 ], "pop" : 32138, "state" : "GA" }

{ "\_id" : "30327", "city" : "ATLANTA", "loc" : [ -84.419966, 33.862723 ], "pop" : 18467, "state" : "GA" }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate({$group:{\_id:"$pop",count:{$sum:1}}})

{ "\_id" : 32202, "count" : 1 }

{ "\_id" : 12418, "count" : 1 }

{ "\_id" : 10118, "count" : 1 }

{ "\_id" : 12158, "count" : 1 }

{ "\_id" : 12212, "count" : 1 }

{ "\_id" : 40226, "count" : 1 }

{ "\_id" : 17049, "count" : 1 }

{ "\_id" : 37859, "count" : 1 }

{ "\_id" : 78511, "count" : 1 }

{ "\_id" : 43630, "count" : 1 }

{ "\_id" : 503, "count" : 8 }

{ "\_id" : 41677, "count" : 1 }

{ "\_id" : 834, "count" : 4 }

{ "\_id" : 31363, "count" : 1 }

{ "\_id" : 1541, "count" : 5 }

{ "\_id" : 1234, "count" : 6 }

{ "\_id" : 19317, "count" : 2 }

{ "\_id" : 5129, "count" : 1 }

{ "\_id" : 10063, "count" : 1 }

{ "\_id" : 2571, "count" : 5 }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate([{$match:{"city":"ATLANTA"}},{$group:{\_id:"null","totalpopulation":{$sum:"$pop"}}}])

{ "\_id" : "null", "totalpopulation" : 630046 }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:"$state","totalpopulation":{$sum:"$pop"}}}])

{ "\_id" : "DE", "totalpopulation" : 666168 }

{ "\_id" : "WI", "totalpopulation" : 4891769 }

{ "\_id" : "SC", "totalpopulation" : 3486703 }

{ "\_id" : "DC", "totalpopulation" : 606900 }

{ "\_id" : "OH", "totalpopulation" : 10846517 }

{ "\_id" : "IL", "totalpopulation" : 11427576 }

{ "\_id" : "KY", "totalpopulation" : 3675484 }

{ "\_id" : "RI", "totalpopulation" : 1003218 }

{ "\_id" : "IA", "totalpopulation" : 2776420 }

{ "\_id" : "MI", "totalpopulation" : 9295297 }

{ "\_id" : "CO", "totalpopulation" : 3293755 }

{ "\_id" : "TX", "totalpopulation" : 16984601 }

{ "\_id" : "WY", "totalpopulation" : 453528 }

{ "\_id" : "VA", "totalpopulation" : 6181479 }

{ "\_id" : "NM", "totalpopulation" : 1515069 }

{ "\_id" : "MO", "totalpopulation" : 5110648 }

{ "\_id" : "MA", "totalpopulation" : 6016425 }

{ "\_id" : "CT", "totalpopulation" : 3287116 }

{ "\_id" : "ME", "totalpopulation" : 1226648 }

{ "\_id" : "NY", "totalpopulation" : 17990402 }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:"$state","totalpopulation":{$sum:"$pop"}}},{$sort:{totalpopulation:-1}}])

{ "\_id" : "CA", "totalpopulation" : 29754890 }

{ "\_id" : "NY", "totalpopulation" : 17990402 }

{ "\_id" : "TX", "totalpopulation" : 16984601 }

{ "\_id" : "FL", "totalpopulation" : 12686644 }

{ "\_id" : "PA", "totalpopulation" : 11881643 }

{ "\_id" : "IL", "totalpopulation" : 11427576 }

{ "\_id" : "OH", "totalpopulation" : 10846517 }

{ "\_id" : "MI", "totalpopulation" : 9295297 }

{ "\_id" : "NJ", "totalpopulation" : 7730188 }

{ "\_id" : "NC", "totalpopulation" : 6628637 }

{ "\_id" : "GA", "totalpopulation" : 6478216 }

{ "\_id" : "VA", "totalpopulation" : 6181479 }

{ "\_id" : "MA", "totalpopulation" : 6016425 }

{ "\_id" : "IN", "totalpopulation" : 5544136 }

{ "\_id" : "MO", "totalpopulation" : 5110648 }

{ "\_id" : "WI", "totalpopulation" : 4891769 }

{ "\_id" : "TN", "totalpopulation" : 4876457 }

{ "\_id" : "WA", "totalpopulation" : 4866692 }

{ "\_id" : "MD", "totalpopulation" : 4781379 }

{ "\_id" : "MN", "totalpopulation" : 4372982 }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:"$state","totalpopulation":{$sum:"$pop"}}},{$sort:{totalpopulation:-1}},{$limit:3}])

{ "\_id" : "CA", "totalpopulation" : 29754890 }

{ "\_id" : "NY", "totalpopulation" : 17990402 }

{ "\_id" : "TX", "totalpopulation" : 16984601 }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{city:"$city",state:"$state"}, "totalpopulation": {$sum:"$pop"}}}])

{ "\_id" : { "city" : "HAGUE", "state" : "VA" }, "totalpopulation" : 2243 }

{ "\_id" : { "city" : "HUMPTULIPS", "state" : "WA" }, "totalpopulation" : 1301 }

{ "\_id" : { "city" : "TOWN CREEK", "state" : "AL" }, "totalpopulation" : 9049 }

{ "\_id" : { "city" : "BUSHTON", "state" : "KS" }, "totalpopulation" : 480 }

{ "\_id" : { "city" : "LEBANON CHURCH", "state" : "VA" }, "totalpopulation" : 1075 }

{ "\_id" : { "city" : "PINEVILLE", "state" : "SC" }, "totalpopulation" : 1411 }

{ "\_id" : { "city" : "FAR ROCKAWAY", "state" : "NY" }, "totalpopulation" : 100646 }

{ "\_id" : { "city" : "LIBERTY CENTER", "state" : "OH" }, "totalpopulation" : 3933 }

{ "\_id" : { "city" : "CEDAR GROVE", "state" : "TN" }, "totalpopulation" : 1150 }

{ "\_id" : { "city" : "FRANKFORT HEIGHT", "state" : "IL" }, "totalpopulation" : 778 }

{ "\_id" : { "city" : "BEN WHEELER", "state" : "TX" }, "totalpopulation" : 3992 }

{ "\_id" : { "city" : "HARPER", "state" : "OR" }, "totalpopulation" : 326 }

{ "\_id" : { "city" : "VANZANT", "state" : "MO" }, "totalpopulation" : 1048 }

{ "\_id" : { "city" : "FRANKLIN PARK", "state" : "NJ" }, "totalpopulation" : 154 }

{ "\_id" : { "city" : "ROCKY HILL", "state" : "KY" }, "totalpopulation" : 139 }

{ "\_id" : { "city" : "CAVE SPRING", "state" : "GA" }, "totalpopulation" : 2650 }

{ "\_id" : { "city" : "BARTON", "state" : "VT" }, "totalpopulation" : 1270 }

{ "\_id" : { "city" : "SAINT IGNACE", "state" : "MI" }, "totalpopulation" : 5411 }

{ "\_id" : { "city" : "CROWLEY", "state" : "LA" }, "totalpopulation" : 17975 }

{ "\_id" : { "city" : "YREKA", "state" : "CA" }, "totalpopulation" : 9151 }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{city:"$city",state:"$state"}, "totalpopulation": {$sum:"$pop"}}},{$sort:{totalpopulation:-1}}])

{ "\_id" : { "city" : "CHICAGO", "state" : "IL" }, "totalpopulation" : 2452177 }

{ "\_id" : { "city" : "BROOKLYN", "state" : "NY" }, "totalpopulation" : 2300504 }

{ "\_id" : { "city" : "LOS ANGELES", "state" : "CA" }, "totalpopulation" : 2102295 }

{ "\_id" : { "city" : "HOUSTON", "state" : "TX" }, "totalpopulation" : 2095918 }

{ "\_id" : { "city" : "PHILADELPHIA", "state" : "PA" }, "totalpopulation" : 1610956 }

{ "\_id" : { "city" : "NEW YORK", "state" : "NY" }, "totalpopulation" : 1476790 }

{ "\_id" : { "city" : "BRONX", "state" : "NY" }, "totalpopulation" : 1209548 }

{ "\_id" : { "city" : "SAN DIEGO", "state" : "CA" }, "totalpopulation" : 1049298 }

{ "\_id" : { "city" : "DETROIT", "state" : "MI" }, "totalpopulation" : 963243 }

{ "\_id" : { "city" : "DALLAS", "state" : "TX" }, "totalpopulation" : 940191 }

{ "\_id" : { "city" : "PHOENIX", "state" : "AZ" }, "totalpopulation" : 890853 }

{ "\_id" : { "city" : "MIAMI", "state" : "FL" }, "totalpopulation" : 825232 }

{ "\_id" : { "city" : "SAN JOSE", "state" : "CA" }, "totalpopulation" : 816653 }

{ "\_id" : { "city" : "SAN ANTONIO", "state" : "TX" }, "totalpopulation" : 811792 }

{ "\_id" : { "city" : "BALTIMORE", "state" : "MD" }, "totalpopulation" : 733081 }

{ "\_id" : { "city" : "SAN FRANCISCO", "state" : "CA" }, "totalpopulation" : 723993 }

{ "\_id" : { "city" : "MEMPHIS", "state" : "TN" }, "totalpopulation" : 632837 }

{ "\_id" : { "city" : "SACRAMENTO", "state" : "CA" }, "totalpopulation" : 628279 }

{ "\_id" : { "city" : "JACKSONVILLE", "state" : "FL" }, "totalpopulation" : 610160 }

{ "\_id" : { "city" : "ATLANTA", "state" : "GA" }, "totalpopulation" : 609591 }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{city:"$city",state:"$state"}, "totalpopulation": {$sum:"$pop"}}},{$sort:{totalpopulation:-1}},{$limit:3}])

{ "\_id" : { "city" : "CHICAGO", "state" : "IL" }, "totalpopulation" : 2452177 }

{ "\_id" : { "city" : "BROOKLYN", "state" : "NY" }, "totalpopulation" : 2300504 }

{ "\_id" : { "city" : "LOS ANGELES", "state" : "CA" }, "totalpopulation" : 2102295 }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{state:"$state",city:"$city"}, pop:{$sum:"$pop"}}}, {$group:{\_id:"$\_id.state", avgCityPop:{$avg:"$pop"}}}])

{ "\_id" : "AL", "avgCityPop" : 7907.2152641878665 }

{ "\_id" : "MI", "avgCityPop" : 12087.512353706112 }

{ "\_id" : "CO", "avgCityPop" : 9981.075757575758 }

{ "\_id" : "IA", "avgCityPop" : 3123.0821147356583 }

{ "\_id" : "WA", "avgCityPop" : 12258.670025188916 }

{ "\_id" : "RI", "avgCityPop" : 19292.653846153848 }

{ "\_id" : "KY", "avgCityPop" : 4767.164721141375 }

{ "\_id" : "IL", "avgCityPop" : 9954.334494773519 }

{ "\_id" : "SC", "avgCityPop" : 11139.626198083068 }

{ "\_id" : "WI", "avgCityPop" : 7323.00748502994 }

{ "\_id" : "OH", "avgCityPop" : 12700.839578454332 }

{ "\_id" : "DC", "avgCityPop" : 303450 }

{ "\_id" : "NJ", "avgCityPop" : 15775.89387755102 }

{ "\_id" : "ID", "avgCityPop" : 4320.811158798283 }

{ "\_id" : "MD", "avgCityPop" : 12615.775725593667 }

{ "\_id" : "OR", "avgCityPop" : 8262.561046511628 }

{ "\_id" : "ME", "avgCityPop" : 3006.4901960784314 }

{ "\_id" : "NE", "avgCityPop" : 3034.882692307692 }

{ "\_id" : "NY", "avgCityPop" : 13131.680291970803 }

{ "\_id" : "WV", "avgCityPop" : 2771.4775888717154 }

MongoDB Enterprise atlas-8alqwc-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{state:"$state",city:"$city"}, pop:{$sum:"$pop"}}}, {$group:{\_id:"$\_id.state", avgCityPop:{$avg:"$pop"}}},{$sort:{avgCityPop:-1}},{$limit:3}])

{ "\_id" : "DC", "avgCityPop" : 303450 }

{ "\_id" : "CA", "avgCityPop" : 27756.42723880597 }

{ "\_id" : "FL", "avgCityPop" : 27400.958963282937 }