```
> // $match
>
> // project _id, city, state match by state: "DC"
> db.ZipCode.aggregate([ {$project: {_id: 1, city: 1, state: 1}}, {$match: {state: "DC"}}, {$limit: 10} ])
{ "_id" : "20001", "city" : "WASHINGTON", "state" : "DC" }
{ "_id" : "20002", "city" : "WASHINGTON", "state" : "DC" }
{ "_id" : "20003", "city" : "WASHINGTON", "state" : "DC" }
{ "_id" : "20006", "city" : "WASHINGTON", "state" : "DC" }
{ "_id" : "20005", "city" : "WASHINGTON", "state" : "DC" }
{ "_id" : "20004", "city" : "WASHINGTON", "state" : "DC" }
{ "_id" : "20008", "city" : "WASHINGTON", "state" : "DC" }
{ "_id" : "20010", "city" : "WASHINGTON", "state" : "DC" }
{ "_id" : "20009", "city" : "WASHINGTON", "state" : "DC" }
{ "_id" : "20011", "city" : "WASHINGTON", "state" : "DC" }
>
> // count No. of cities in state: "DC"
> db.ZipCode.aggregate([ {$match: {state: "DC"}}, {$count: "city"} ])
{ "city" : 24 }
>
> // project _id, city, state match by states: "MA", "NC", "NY", "SC", "TX"
> db.ZipCode.aggregate([ {$project: {_id: 1, city: 1, state: 1}}, {$match: {state: {$in: ["MA", "NC", "NY", "SC", "TX"]}}}, {$limit: 10} ])
{ "_id" : "01007", "city" : "BELCHERTOWN", "state" : "MA" }
{ "_id" : "01005", "city" : "BARRE", "state" : "MA" }
{ "_id" : "01008", "city" : "BLANDFORD", "state" : "MA" }
{ "_id" : "01010", "city" : "BRIMFIELD", "state" : "MA" }
{ "_id" : "01011", "city" : "CHESTER", "state" : "MA" }
{ "_id" : "01012", "city" : "CHESTERFIELD", "state" : "MA" }
{ "_id" : "01001", "city" : "AGAWAM", "state" : "MA" }
{ "_id" : "01002", "city" : "CUSHMAN", "state" : "MA" }
{ "_id" : "01013", "city" : "CHICOPEE", "state" : "MA" }
{ "_id" : "01027", "city" : "MOUNT TOM", "state" : "MA" }
>
> // count No. of cities in states: "MA", "NC", "NY", "SC", "TX"
> db.ZipCode.aggregate([ {$match: {state: {$in: ["MA", "NC", "NY", "SC", "TX"]}}}, {$count: "city"} ])
{ "city" : 4795 }
>
> // project _id, city, state, pop match by pop < 1000 and in states: "DE", "MN"
> db.ZipCode.aggregate([ {$project: {_id: 1, city: 1, state: 1, pop: 1}}, {$match: {$and: [{pop: {$lt: 1000}}, {state: {$in: ["DE", "MN"]}}]}}, {$limit: 10} ])
{ "_id" : "19930", "city" : "BETHANY BEACH", "pop" : 769, "state" : "DE" }
{ "_id" : "19931", "city" : "BETHEL", "pop" : 108, "state" : "DE" }
{ "_id" : "19951", "city" : "HARBESON", "pop" : 598, "state" : "DE" }
{ "_id" : "19967", "city" : "MILLVILLE", "pop" : 623, "state" : "DE" }
{ "_id" : "19964", "city" : "MARYDEL", "pop" : 975, "state" : "DE" }
{ "_id" : "19979", "city" : "VIOLA", "pop" : 153, "state" : "DE" }
{ "_id" : "55019", "city" : "DUNDAS", "pop" : 803, "state" : "MN" }
{ "_id" : "55017", "city" : "DALBO", "pop" : 616, "state" : "MN" }
{ "_id" : "55053", "city" : "NERSTRAND", "pop" : 687, "state" : "MN" }
{ "_id" : "55065", "city" : "RANDOLPH", "pop" : 370, "state" : "MN" }
>
> // count No. of cities match by pop < 1000 and in states: "DE", "MN"
> db.ZipCode.aggregate([ {$match: {$and: [{pop: {$lt: 1000}}, {state: {$in: ["DE", "MN"]}}]}}, {$count: "city"} ])
{ "city" : 325 }
>
```