1. Display distinct city.

db.employee.aggregate([{'$group':{\_id:"$CITY"}}])

db.employee.aggregate([{$group:{\_id:"$CITY"}}])

1. Display city wise number of persons

db.employee.aggregate([{$group:{\_id:"$CITY",EMP:{$sum:1}}}])

1. Display sum of salary in your collection.

db.employee.aggregate([{$group:{\_id:null, SAlary:{$sum:'$SALARY'}}}])

1. Display average of salary in your document

db.employee.aggregate([{$group:{\_id:null,AVG:{$avg:'$SALARY'}}}])

1. Display maximum and minimum salary of your document

db.employee.aggregate([{$group:{\_id:null,MAX:{$max:'$SALARY'},MIN:{$min:'$SALARY'}}}])

1. Display city wise total salary in your collection.

db.employee.aggregate([{$group:{\_id:'$CITY',TOTALSALARY:{$sum:'$SALARY'}}}])

1. Display gender wise maximum salary in your collection.

db.employee.aggregate([{$group:{\_id:"$GENDER",MAX:{$max:'$SALARY'},MIN:{$min:'$SALARY'}}}])

1. Display city wise maximum and minimum salary

db.employee.aggregate([{$group:{\_id:'$CITY',MAX:{$max:'$SALARY'},MIN:{$min:'$SALARY'}}}])

1. Display count of persons lives in Sydney city in your collection.

db.employee.aggregate([{$match: {CITY: 'Sydney'}},{$group:{\_id:"$CITY",PERSON:{$sum:1}}}])

1. Display average salary of New York city

db.employee.aggregate([{$match: {CITY: 'New York'}},{$group:{\_id:"$CITY",AVG:{$avg:'$SALARY'}}}])

1. Display distinct department.

db.student.aggregate([{$group:{\_id:'$DEPARTMENT'}}])

1. Display city wise number of students.

db.student.aggregate({$group:{\_id :'SCITY',STUno:{$sum: 1}}})

1. Display sum of fees in your collection

db.student.aggregate([{$group: {\_id: '$CITY',NO:{$sum: 1}}}])

1. Display average of fees in your document.

db.student.aggregate([{$group: {\_id:null,avgFEE:{$avg:'$FEES'}}}])