1. **Display distinct city.**
   db.employee.aggregate([{"$group":{_id:"$CITY"}}])
2. **Display city wise number of persons.**
   db.employee.aggregate([{$group:{_id:"$CITY",person_count:{$sum:1}}}])
3. **Display sum of salary in your collection.**
   db.employee.aggregate([{$group:{_id:null,total:{$sum:"$SALARY"}}}])
4. **Display average of salary in your document.**
   db.employee.aggregate([{$group:{_id:null,avg:{$avg:"$SALARY"}}}])
5. **Display maximum and minimum salary of your document.**
   db.employee.aggregate([{$group:{_id:null,max:{$max:"$SALARY"},min:{$min:"$SALARY"}}}])
6. **Display city wise total salary in your collection.**
   db.employee.aggregate([{$group:{_id:"$CITY",total_salary_citywise:{$sum:"$SALARY"}}}])
7. **Display gender wise maximum salary in your collection.**
   db.employee.aggregate([{$group:{_id:"$GENDER",Max_salary_Genderwise:{$max:"$SALARY"}}}])
8. **Display city wise maximum and minimum salary.**
   db.employee.aggregate([{$group:{_id:"$CITY",max:{$max:"$SALARY"},min:{$min:"$SALARY"}}}])
9. **Display count of persons lives in Sydney city in your collection.**
   db.employee.aggregate([{$match:{CITY:"Sydney"}},{$group:{_id:"$CITY",count:{$sum:1}}}])
10. **Display average salary of New York city.**
    db.employee.aggregate(
    [{$match:{CITY:"New York"}},{$group:{_id:"$CITY",avg:{$avg:"$SALARY"}}}])