1. Find the list of properties that can accomodate more than 10 persons

{accommodates:{$gt:10}}{description:1,room\_type:1}

2. Same as above but we just need to show description and room type

{$and:[{property\_type:"House"},{price:{$lte:400}}]}

3.Find the listings of properties that can accomodated for than 10 people and property type = service appartments

having atleast two bath rooms and the price should be less than 1000

{$and:[{accommodates:{$gt:10}},{property\_type:"Serviced apartment"},{price:{$lt:1000}},{bathrooms:{$gt:1}}]}

**4.List the properties in Brazil , ameneties should inclde Wifi and Kitchen but should not have smoke detector**

**review score for checkin should be atleast 10 and review date should not past 2019**

**{$and : [{"address.country":"Brazil"},{amenities: {$in:["Wifi","Kitchen"],$nin:["Smoke detector"]}},{"review\_scores.review\_scores\_checkin":{$gte:10}},{"reviews.date":{$gt: new Date('2019-01-01')}}]}**

5. Find out number of reviews per property types

**{**

**\_id: "$property\_type",**

**totalReviews: { $sum: "$number\_of\_reviews" }**

**}**

**or**

**{**

**\_id: "$property\_type",**

**totalReviews: { $sum:{ $size: "$reviews"} }**

**}**

6.

**db.review.aggregate([**

**{**

**$match: {"address.country\_code":"US"}**

**},**

**{**

**$group: {\_id:"$property\_type", totalBedRoom:{$sum:"$bedrooms"}}**

**}**

] )

**7. For USA find out number of properties having both TV and Kitchen as ameneties. The out put should give the count property wise.**

**{"address.country":"United States",**

**amenities:{$all:["TV","Kitchen"]} in IN either or comes not both so all**

**} match**

**{\_id:"$property\_type",**

**Home:{$sum:1}**

**} group**

**8. db.review.find({price:858}).explain("executionStats")**