

Andrea Tocchetti andrea.tocchetti@polimi.it

Write one or more queries to return a single housing, and each single one of their attributes that are sub-documents or array. Inspect their content to understand their structure.

```
db.air_bnb_collection.findOne()
db.air_bnb_collection.findOne({ }, {amenities: 1})
db.air_bnb_collection.findOne({ }, {images: 1})
db.air_bnb_collection.findOne({ }, {host: 1})
db.air_bnb_collection.findOne({ }, {address: 1})
db.air_bnb_collection.findOne({ }, {availability: 1})
db.air_bnb_collection.findOne({ }, {review_scores: 1})
db.air_bnb_collection.findOne({ }, {reviews: 1})
```

Write a query to return all the housings whose minimum nights is equal to 2.

<sup>\*</sup> I return minimum\_nights just to check that the answer is correct. I'll do the same in other queries to properly visualize the result.

Write a query to return the number of housings whose number of reviews is greater than 10.

Write a query to return the top 10 housings based on their number of bedrooms.

Write a query to return the housings whose host response rate is greater than 90.

Write a query to return the name of the hosts whose housings includes a TV and Iron.

Write a query to return the name of the hosts whose housings includes a TV or Iron.

Write a query to count the number of housings based on their price.

Write a query to compute the total number of bedrooms available across all housings.

Write a query to compute the total number of housings based on their cancellation policy, whose accommodates is greater than 6 and whose host has a profile picture.

Write a query to compute the total number of housings for each amenity.

Write a query to compute the total number of housings for each amenity, returning only the amenities whose count is greater than 15.

Write a query to compute the average price and the average cleaning fees of the housings based on their number of bedrooms and bathrooms, returning only those whose average price is greater than 60 and average cleaning fees is greater than 40.

Write a query to return the housings for which at least one review with listing id 10006546 and reviewer id 11263097 was written.

Write a query to return the housings for which at least one review with listing id 10006546 and one with reviewer name Bridget were written.

For each country, compute the total number of unique hosts.

