

Ficha de Exercícios Nº 5

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PARTE I

1) show dbs

2) use customers

3) db

4) db.createCollection("customers")

5) show collections

6) db.customers.insert({first_name:"John",last_name:"Doe",age:30})

7)

db.customers.insert([{"first_name":"Steven",last_name:"Williams",gender:"male"}, {"first_name":"Mary",last_name:"Troy",age:19}])

8)

db.customers.insert({first_name:'Ric',last_name:'Foe',address:{street:'4 main st',city:'Boston'}})

9)

db.customers.insert({first_name: "Ana", last_name: "Durant", degree:["phD","Msc"],address: {street: "4 Square Garden", city: "New York"}, age: 32})

10)

db.customers.insert({first_name: "Natalia", last_name:"Will", age: 44, gender: "female"})

11) db.customers.find()

12) db.customers.find().pretty()

13) db.customers.update({first_name:"Ric"},{\$set:{age: 45}})

14) db.customers.find({last_name:'Wil'})

15) db.customers.update({first_name:"Steven"},{\$set:{age: 35}})

16) db.customers.findAndModify({query: {first_name: "Ana", age: {\$gt: 30}}, update: {\$inc:{age: 10}}})

17) db.customers.update({first_name:'Ric'},{\$unset: {age: 1}})

18) db.customers.findAndModify({query: {first_name: "Jimmy"}, update: {first_name: "Jimmy", last_name: "Connors", age: 25, gender: "male"}})

19) db.customers.find({age: {\$gte: 25}})

20) db.customers.find({gender: {\$eq: "male"}})

21) db.customers.remove({first_name: "Mary"})

22) db.customers.find({\$or: [{first_name: 'Ana'}, {first_name: 'Ric'}]})

PARTE II

1) db.restaurants.find()

2) db.restaurants.find({}, {"address": 0, "grades": 0 })

3) db.restaurants.find({}, {"address": 0, "grades": 0, "_id": 0 })

4) db.restaurants.find({}, {"address.building": 0, "address.coord": 0, "address.street": 0, "grades": 0, "_id": 0, "cuisine": 0 })

5) db.restaurants.find({"borough": "Bronx"}, {})

6) db.restaurants.find({"borough": "Bronx"}).limit(5)

7) db.restaurants.find({"borough": "Bronx"}).skip(5).limit(5)

8) db.restaurants.find({grades: {\$elemMatch: {"score": {\$gt: 90}}}})

9) db.restaurants.find({grades: {\$elemMatch: {"score": {\$gt: 80, \$lt: 100}}}})

10) db.restaurants.find({"address.coord": {\$lt: -95.754168}})

11) db.restaurants.find({"cuisine": {\$ne: "American"}, "grades.score": {\$gt: 70}, "address.coord": {\$lt: -65.754168}})

12) db.restaurants.find({"cuisine": {\$ne: "American"}, "grades.score": {\$gt: 70}, "address.coord": {\$lt: -65.754168}})

13) db.restaurants.find({"cuisine": {\$ne: "American "}, "grades.grade": "A", "borough": {\$ne: "Brooklyn"}}).sort({"cuisine": -1})

14) db.restaurants.find({"borough": "Bronx", \$or: [{ "cuisine": "American " }, { "cuisine": "Chinese" }]})

15) db.restaurants.find({"address.coord": {\$type: 1}})

16) db.restaurants.find({"address.street": {\$exists: true}})

17) db.restaurants.find().sort({"cuisine": 1, "borough": -1})

18) db.restaurants.find({"address.coord.1": {\$gt: 42, \$lte: 52}}, {"restaurant_id": 1, "name": 1, "address": 1, "coord": 1})

19) db.restaurants.find({"grades.score": {\$not: {\$gt: 10}}}, {"restaurant_id": 1, "name": 1, "borough": 1, "cuisine": 1})

20) db.restaurants.find({"borough": {\$nin: ["Staten Island", "Queens", "Bronx", "Brooklyn"]}}, {"restaurant_id": 1, "name": 1, "borough": 1, "cuisine": 1})