Group C: Assignment No.2

Execute at least 10 queries on above MongoDB database that demonstrates following querying techniques:

- Find
- FindOne (specific values)
- Conditional queries

(Query conditionals, OR queries, \$not, Conditional semantics)

• Type-specific queries (Null, Regular expression, Querying arrays)

1) find()

2) find() - conditional, regex, \$in

```
> db.customer.find({name:"yash"})
{ "_id" : 1, "name" : "yash", "mobile" : "9898989877", "city" : "pune", "email" : "akash@gmail.com" }
> db.customer.find({ _id : { $in: [3,6]}})
{ "_id" : 3, "name" : "manan", "mobile" : "9866689877", "city" : "mumbai", "email" : "manan@gmail.com" }
> db.customer.find({ "name": { $regex: /^m/}})
{ "_id" : 3, "name" : "manan", "mobile" : "9866689877", "city" : "mumbai", "email" : "manan@gmail.com" }
> db.customer.find({}{name:1, city:1})
uncaught exception: SyntaxError: missing ) after argument list :
@(shell):1:19
> db.customer.find({ }{name:1, city:1})
uncaught exception: SyntaxError: missing ) after argument list :
@(shell):1:20
> db.customer.find({ }, {name:1, city:1})
{ "_id" : 1, "name" : "yash", "city" : "pune" }
{ "_id" : 2, "name" : "rahul", "city" : "delhi" }
{ "_id" : 3, "name" : "manan", "city" : "delhi" }
{ "_id" : 4, "name" : "atharva", "city" : "pune" }
{ "_id" : 5, "name" : "atharva", "city" : "pune" }
{ "_id" : 5, "name" : "atharva", "city" : "pune" }
{ "_id" : 5, "name" : "soham", "city" : "pune" }
}
```

3) find() - store in cursor and printjson for each entry.

```
> var myCursor = db.customer.find({city:"pune"});myCursor.forEach(printjson);

{
        "_id" : 1,
        "name" : "yash",
        "city" : "pune",
        "email" : "akash@gmail.com"
}

{
        "_id" : 4,
        "name" : "atharva",
        "mobile" : "9861189877",
        "city" : "pune",
        "email" : "atharva@gmail.com"
}

{
        "_id" : 5,
        "name" : "soham",
        "mobile" : "9861182227",
        "city" : "pune",
        "email" : "soham@gmail.com"
}
```

4) findOne() and find() - \$or, \$and, \$not, \$nor, regex -findOne returns 1st correct entry found.

```
db.product.findOne({$or: [{p_name:"TV"}, [p_cost: {$gt: 20000}]})
{ ".id": 1, "p_id": 1, "p_name": "TV" "p_cost": NumberLong(30200) }
db.product.findOne({$or: [q_name:"TV"], [p_cost: {$tt: 600}]})
{ ".id": 1, "p_id": 1, "p_name": "TV", "p_cost": NumberLong(30200) }
db.product.findOne({$or: [q_cost: {$tt: 600}], {p_name: "TV"}}))
{ ".id": 1, "p_id": 1, "p_name": "TV", "p_cost": NumberLong(30200) }
db.product.findOne({$or: [q_cost: {$tt: 600}], {p_name: "TV"}}))
db.product.findOne({$or: [q_cost: {$tt: 600}], {p_name: "TV"}})}
dc.ustomer.find({city: {$not: /"b/}})
dc.ustomer.find({city: {$not: /"b/}})
dc.ustomer.find({city: {$not: /"b/}})

db.customer.find({city: {$not: /"b/}})

db.customer.find({city: {$not: /"p/}})

db.customer.find({city: [name: "nanan", "mobile": "988898987", "city": "pune", "email": "akash@gmail.com" }

db.customer.find({$or: {{city: "pune"}, {name: "manan"}}})

db.customer.find({$or: {{city: "pune"}, {name: "manan"}}})

db.customer.find({$or: {{city: "pune"}, {name: "manan"}}})

db.customer.find({$or: {{city: "pune"}, {name: "manan"}}}})

db.customer.find({$and: {{city: "pune"}, {name: "manan"}}}}

db.customer.find({$or: {{city: "pune"}, {n
```