

```
{
  "_id" : 1,
  "name" : {
    "first" : "John",
    "last" : "Backus"
  },
  "birth" : ISODate("1924-12-03T05:00:00Z"),
  "death" : ISODate("2007-03-17T04:00:00Z"),
  "contribs" : [
    "Fortran",
    "ALGOL",
    "Backus-Naur Form",
    "FP"
  ],
  "awards" : [
    {
      "award" : "W.W. McDowell Award",
      "year" : 1967,
      "by" : "IEEE Computer Society"
    },
    {
      "award" : "National Medal of Science",
      "year" : 1975,
      "by" : "National Science Foundation"
    },
    {
      "award" : "Turing Award",
      "year" : 1977,
      "by" : "ACM"
    },
    {
      "award" : "Draper Prize",
      "year" : 1993,
      "by" : "National Academy of Engineering"
    }
  ]
}
```

Q1: Report the documents of users where the name is “Alex Chen”.

Q2: Update the birth date of `_id = 1` to 1944-11-07

Q3: Report the documents of users who got an award after year 1990

Q4: Report only the name of users who have “FP” in the contributions list

Q5: Report only one document where the number of awards is exactly 3

Q6: For user with `Id = 1`, delete from the awards array the award(s) in year 1977

Queries

1. `db.collection.find({ "name.first": "Alex", "name.last": "Chen" })`
2. `db.collection.updateOne({ "_id": 1 }, { $set: { "birth": ISODate ("1944-11-07") } })`
3. `db.collection.find({ "awards.year": { $gt: 1990 } })`
4. `db.collection.find({ "contribs": "FP" }, { "name": 1, "_id": 0 })`
5. `db.collection.findOne({ $where: "this.awards.length === 3" })`
6. `db.collection.updateOne({ "_id": 1 }, { $pull: { "awards": { "year": 1977 } } })`