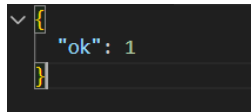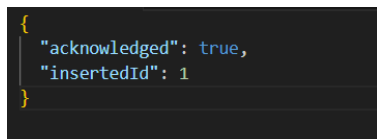```
use mongo
db.createCollection('book');
```
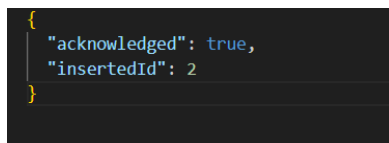
```
{
    "ok": 1
}
```

```
db.book.insertOne({_id:1,

  title: "C programming language",

  author: "Dennis Ritchie,Brian Kernighan",

  category: "Programming",

  published_year: 1978});
```
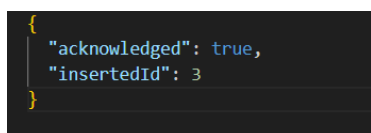
```
{
  "acknowledged": true,
  "insertedId": 1
}
```

```
db.book.insertOne({_id:2,

  title: "Fundamentals of Database System",

  author: "Elmasri Ramez,Navathe Shamkant",

  category: "Database",

  published_year: 2003});
```

```
{
  "acknowledged": true,
  "insertedId": 2
}
```

```
db.book.insertOne({ _id:3,

    title: "Power BI for Jobseekers",

    author: "Alan Murray",

    category: "Business Intelligence",

    published_year: 2023}
```

```
{
  "acknowledged": true,
  "insertedId": 3
}
```

```
db.book.insertOne({_id:4,
        title: "Introduction to Algorithms",
        author: "Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest",
        category: "Algorithms",
        published_year: 1994});
```

```
{
  "acknowledged": true,
  "insertedId": 4
}
```

```
db.book.insertOne({_id:5,
        title: "Python Crash Course: ",
        author: "Eric Matthes",
        category: "Python",
        published_year: 2020});
```

```
{
  "acknowledged": true,
  "insertedId": 5
}
```

```
db.book.insertOne({_id:6,
        title: "Pro Git",
        author: "Scott Chacon, Ben Straubt",
        category: "Software Git",
        published_year: 2015});
```

```
{
  "acknowledged": true,
  "insertedId": 6
}
```

```
db.book.countDocuments()
```

```
1    6
```

```
db.book.find({ published_year: { $gt: 2000 } })
```

```json
[
  {
    "_id": 2,
    "title": "Fundamentals of Database System",
    "author": "Elmasri Ramez,Navathe Shamkant",
    "category": "Database",
    "published_year": 2003
  },
  {
    "_id": 3,
    "title": "Power BI for Jobseekers",
    "author": "Alan Murray",
    "category": "Business Intelligence",
    "published_year": 2023
  },
  {
    "_id": 5,
    "title": "Python Crash Course: ",
    "author": "Eric Matthes",
    "category": "Python",
    "published_year": 2020
  },
  {
    "_id": 6,
    "title": "Pro Git",
    "author": "Scott Chacon, Ben Straubt",
    "category": "Software Git",
    "published_year": 2015
  }
]
```

```
db.book.find({

  $and: [

  { published_year: { $gt: 1995 } },

  { published_year: { $lt: 2015 } }

  ]

})
```

```json
[
  {
    "_id": 2,
    "title": "Fundamentals of Database System",
    "author": "Elmasri Ramez,Navathe Shamkant",
    "category": "Database",
    "published_year": 2003
  }
]
```

```
db.book.updateOne(

  { title: "Pro Git" },

  { $set: { author: "Scott Chacon, Ben Straub" } } // Fixing typo in 'Straubt'

)
```

```json
{
  "acknowledged": true,
  "insertedId": null,
  "matchedCount": 1,
  "modifiedCount": 1,
  "upsertedCount": 0
}
```

db.book.updateMany(

  { category: "Programming" },

  { $set: { category: "Software Programming" } }

)

```
1 ∨ {
2       "acknowledged": true,
3       "insertedId": null,
4       "matchedCount": 1,
5       "modifiedCount": 1,
6       "upsertedCount": 0
7   }
```

db.book.deleteOne({ title: "Python Crash Course: " })

```
1   {
2       "acknowledged": true,
3       "deletedCount": 1
4   }
```

db.book.deleteMany({ published_year: { $lt: 2000 } })

```
1   {
2       "acknowledged": true,
3       "deletedCount": 2
4   }
```

db.book.drop()

```
1   true
```