

-- 1. Cài đặt mongoDB

-- 2. Tạo database tên 'Company'

```
test> use Company
```

```
switched to db Company
```

-- 3. Tạo database tên 'University'

```
Company> use University
```

```
switched to db University
```

-- 4. Xem database hiện tại đang được kết nối (sử dụng db)

```
University> show dbs
```

```
admin   180.00 KiB
```

```
config  108.00 KiB
```

```
local   40.00 KiB
```

-- 5. Xóa db 'University'

```
University> db.dropDatabase()
```

```
{ ok: 1, dropped: 'University' }
```

```
University> show dbs
```

```
admin   180.00 KiB
```

```
config  108.00 KiB
```

```
local   40.00 KiB
```

```
University> use Company
```

```
switched to db Company
```

-- 6. Tạo người dùng với user : tên\_bạn có quyền đọc/ghi trên db 'Company'

```
Company> db.createUser({ user: "Hong",pwd: "xxx",roles: [{ rolrole: "readWrite", db: "mydb" }]} )
```

```
{ ok: 1 }
```

-- 7. Tạo collection 'cútomers' cho db 'Company'

```
Company> db.createCollection('customers')
```

```
{ ok: 1 }
```

-- 8. Xem các collections trong db 'Company'

```
Company> show collections
```

-- 9. Insert document

```
Company> db.customers.insert({first_name:"Jon",last_name:"Doe"})
```

DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.

```
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('68184add640d3aff85d861e0') }
}
```

-- 10. Tạo 5 customers có first\_name và last\_name như sau:

```
Company> db.customers.insertMany([ { first_name: "John", last_name: "Smith" }, {
first_name: "Alicia", last_name: "Zelaya" }, { first_name: "Jennifer", last_name: "Wallace"
},{ first_name: "Ahmad", last_name: "Jabbar" }, { first_name: "James", last_name: "Borg"
}])
```

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('68184b79640d3aff85d861e1'),
    '1': ObjectId('68184b79640d3aff85d861e2'),
    '2': ObjectId('68184b79640d3aff85d861e3'),
    '3': ObjectId('68184b79640d3aff85d861e4'),
    '4': ObjectId('68184b79640d3aff85d861e5')
  }
}
```

-- 11. Xem tất cả các dữ liệu có trong customers

```
Company> show collections
```

```
customers
```

```
Company> db.customers.find()
```

```
[
  {
    _id: ObjectId('68184add640d3aff85d861e0'),
    first_name: 'Jon',
    last_name: 'Doe'
  },
  {
    _id: ObjectId('68184b79640d3aff85d861e1'),
    first_name: 'John',
    last_name: 'Smith'
  },
  {
    _id: ObjectId('68184b79640d3aff85d861e2'),
    first_name: 'Alicia',
    last_name: 'Zelaya'
  },
  {
    _id: ObjectId('68184b79640d3aff85d861e3'),
    first_name: 'Jennifer',
    last_name: 'Wallace'
  },
  {
    _id: ObjectId('68184b79640d3aff85d861e4'),
    first_name: 'Ahmad',
```

```

    last_name: 'Jabbar'
  },
  {
    _id: ObjectId('68184b79640d3aff85d861e5'),
    first_name: 'James',
    last_name: 'Borg'
  }
]

```

## -- 12. Import dữ liệu từ file books.json vào collection books

mongoimport --db Company --collection books --file books.json

```

Company> db.books.findOne()
{
  _id: 1,
  title: 'Unlocking Android',
  isbn: '1933988673',
  pageCount: 416,
  publishedDate: ISODate('2009-04-01T07:00:00.000Z'),
  thumbnailUrl: 'https://s3.amazonaws.com/AKIAJC5RLADLUMVRPFDQ.book-thumb-images/ableson.jpg',
  shortDescription: "Unlocking Android: A Developer's Guide provides concise, hands-on instruction for the Android operating system and development tools. This book teaches important architectural concepts in a straightforward writing style and builds on this with practical and useful examples throughout.",
  longDescription: "Android is an open source mobile phone platform based on the Linux operating system and developed by the Open Handset Alliance, a consortium of over 30 hardware, software and telecom companies that focus on open standards for mobile devices. Led by search giant, Google, Android is designed to deliver a better and more open and cost effective mobile experience. Unlocking Android: A Developer's Guide provides concise, hands-on instruction for the Android operating system and development tools. This book teaches important architectural concepts in a straightforward writing style and builds on this with practical and useful examples throughout. Based on his mobile development experience and his deep knowledge of the arcane Android technical documentation, the author conveys the know-how you need to develop practical applications that build upon or replace any of Android's features, however small. Unlocking Android: A Developer's Guide prepares the reader to embrace the platform in easy-to-understand language and builds on this foundation with re-usable Java code examples. It is ideal for corporate and hobbyists alike who have an interest, or a mandate, to deliver software functionality for cell phones. WHAT'S INSIDE:
    * Android's place in the market
    * Using the Eclipse environment for Android development
    * The Intents - how and why they are used
    * Application classes:
      o Activity
      o Service
      o IntentReceiver
    * User interface design
    * Using the ContentProvider to manage data
    * Persisting data with the SQLite database
    * Networking examples
    * Telephony applications
    * Notification methods
    * OpenGL, animation & multimedia
    * Sample Applications",
  status: 'PUBLISH',
  authors: [ 'W. Frank Ableson', 'Charlie Collins', 'Robi Sen' ],
  categories: [ 'Open Source', 'Mobile' ]
}

```

## -- 13. Import dữ liệu từ file products.csv vào collection products

mongoimport --db Company --collection products --file products.csv --type csv --headerline

```
Company> db.products.findOne()
{
  _id: ObjectId('68185c00720514d16dffd45'),
  productCode: 'S10_1678',
  productName: '1969 Harley Davidson Ultimate Chopper',
  productLine: 'Motorcycles',
  productScale: '1:10',
  productVendor: 'Min Lin Diecast',
  productDescription: 'This replica features working kickstand, front suspension, gear-shift
r, footbrake lever, drive chain, wheels and steering. All parts are particularly delicate due
their precise scale and require special care and attention.',
  quantityInStock: 7933,
  buyPrice: 48.81,
  MSRP: 95.7
}
```