

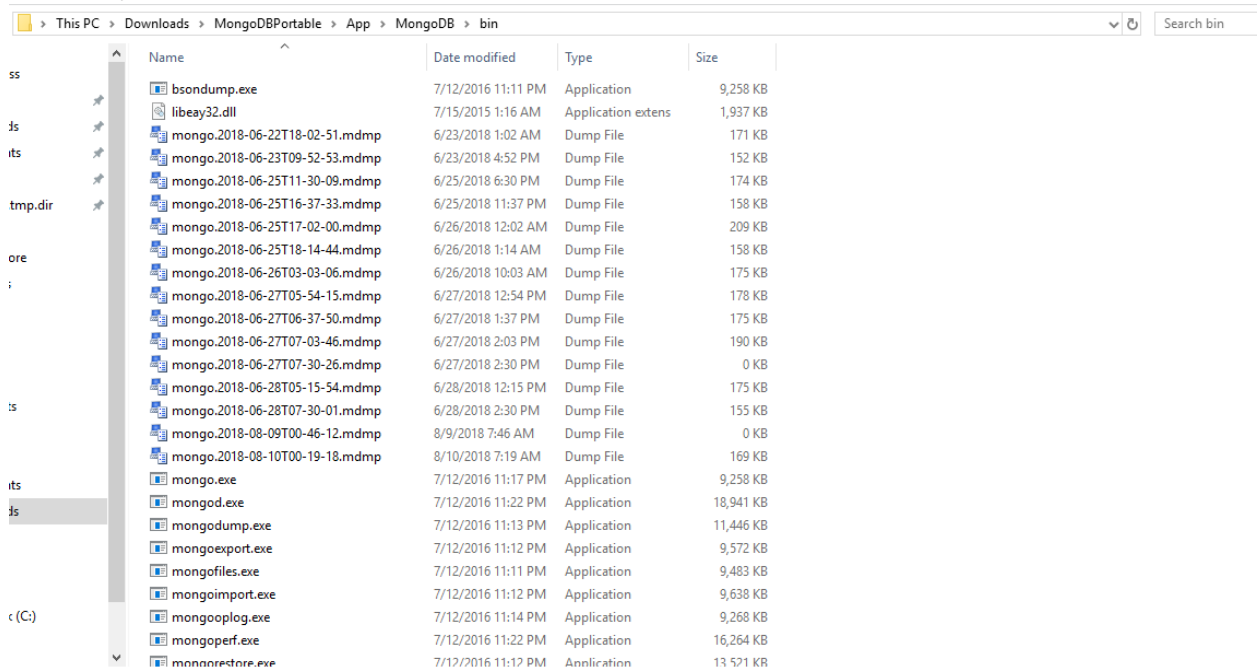
HƯỚNG DẪN TẠO DATABASE

1. Cài đặt MongoDB

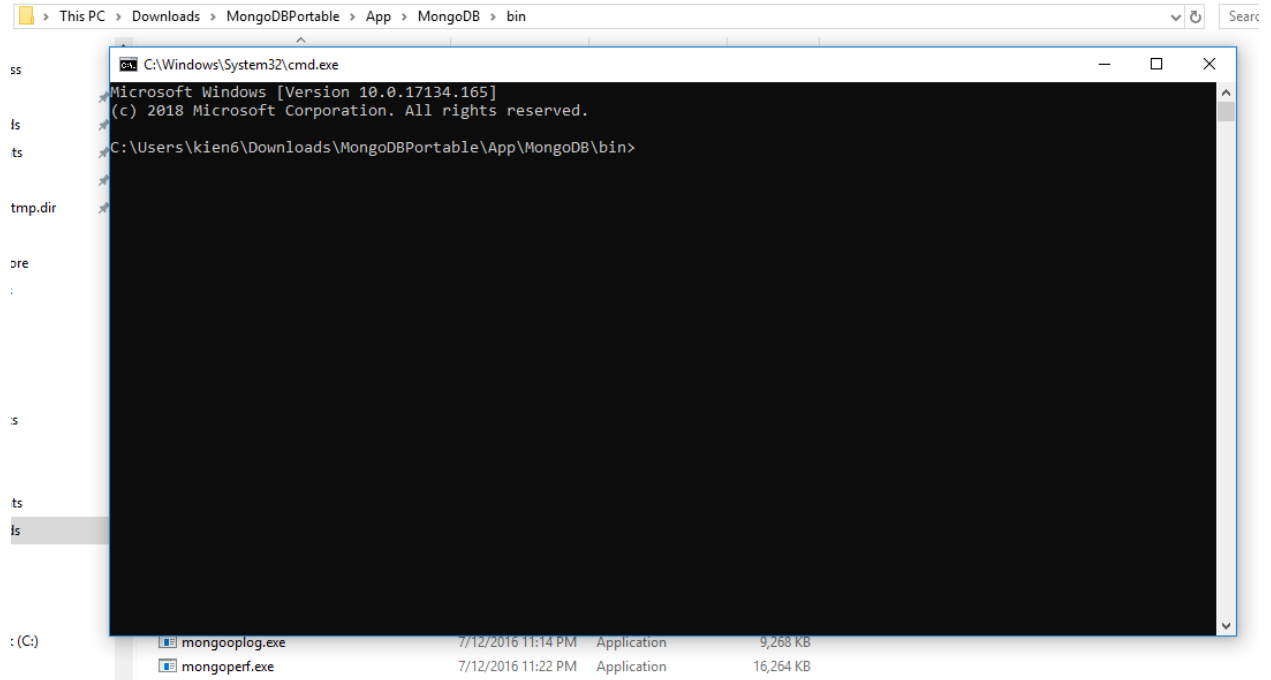
<https://docs.mongodb.com/manual/installation/>

2. Thêm data vào cơ sở dữ liệu

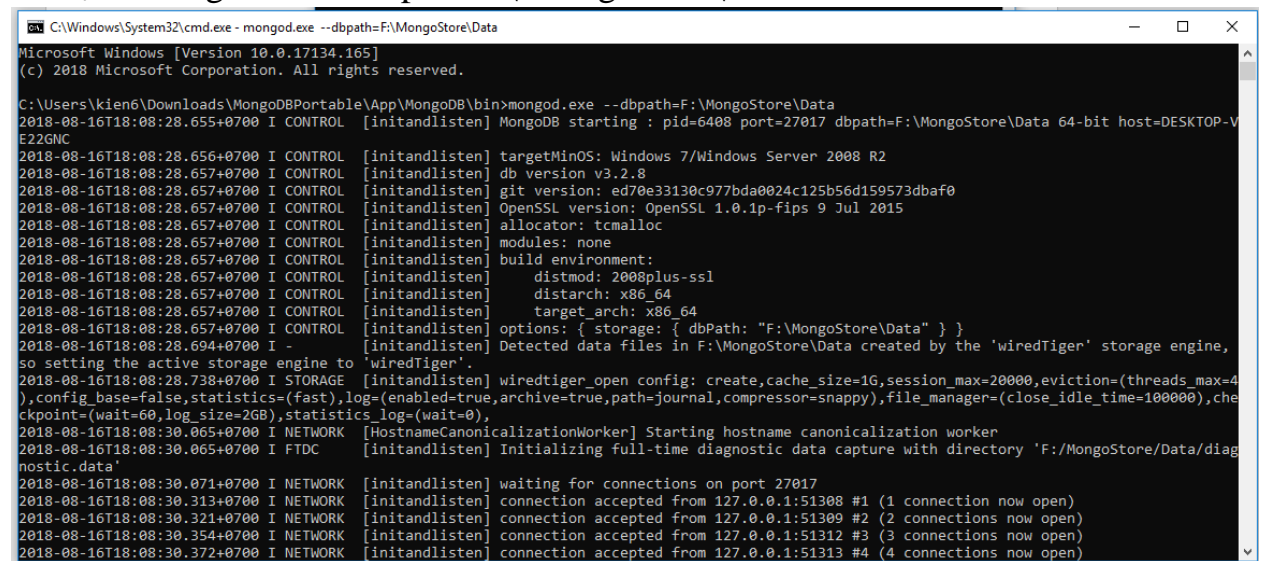
- Vào folder cài đặt mongodb và tìm đến thư mục bin và chạy cmd trên thư mục này:



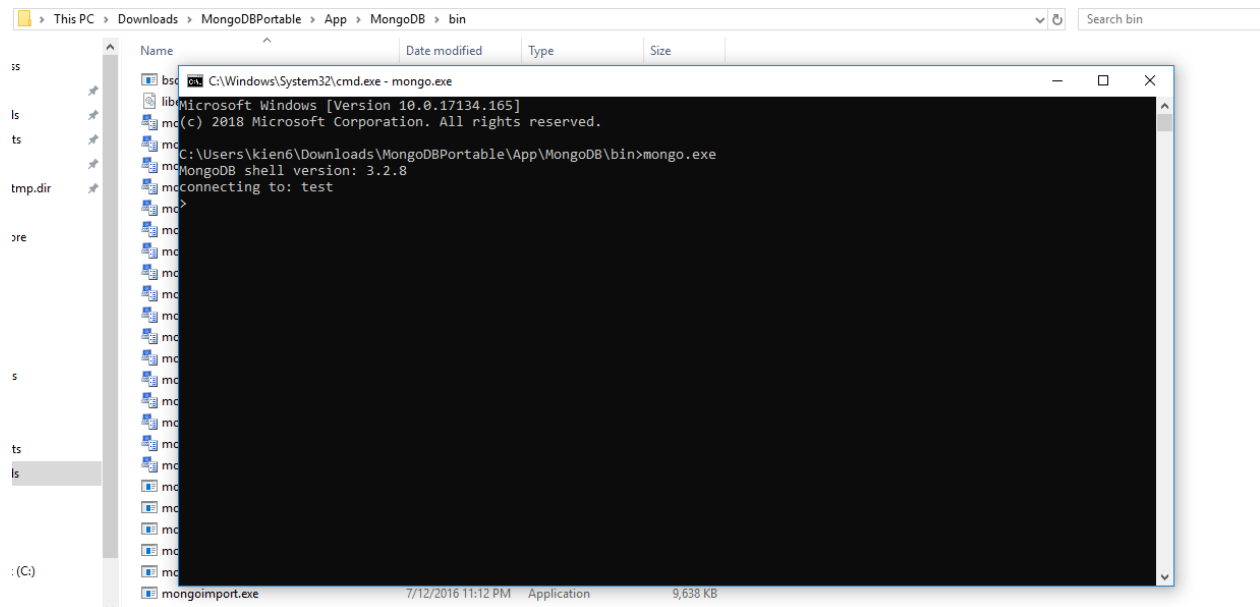
Name	Date modified	Type	Size
bsondump.exe	7/12/2016 11:11 PM	Application	9,258 KB
libeay32.dll	7/15/2015 1:16 AM	Application extens	1,937 KB
mongo.2018-06-22T18-02-51.mdmp	6/23/2018 1:02 AM	Dump File	171 KB
mongo.2018-06-23T09-52-53.mdmp	6/23/2018 4:52 PM	Dump File	152 KB
mongo.2018-06-25T11-30-09.mdmp	6/25/2018 6:30 PM	Dump File	174 KB
mongo.2018-06-25T16-37-33.mdmp	6/25/2018 11:37 PM	Dump File	158 KB
mongo.2018-06-25T17-02-00.mdmp	6/26/2018 12:02 AM	Dump File	209 KB
mongo.2018-06-25T18-14-44.mdmp	6/26/2018 1:14 AM	Dump File	158 KB
mongo.2018-06-26T03-03-06.mdmp	6/26/2018 10:03 AM	Dump File	175 KB
mongo.2018-06-27T05-54-15.mdmp	6/27/2018 12:54 PM	Dump File	178 KB
mongo.2018-06-27T06-37-50.mdmp	6/27/2018 1:37 PM	Dump File	175 KB
mongo.2018-06-27T07-03-46.mdmp	6/27/2018 2:03 PM	Dump File	190 KB
mongo.2018-06-27T07-20-26.mdmp	6/27/2018 2:30 PM	Dump File	0 KB
mongo.2018-06-28T05-15-54.mdmp	6/28/2018 12:15 PM	Dump File	175 KB
mongo.2018-06-28T07-30-01.mdmp	6/28/2018 2:30 PM	Dump File	155 KB
mongo.2018-08-09T00-46-12.mdmp	8/9/2018 7:46 AM	Dump File	0 KB
mongo.2018-08-10T00-19-18.mdmp	8/10/2018 7:19 AM	Dump File	169 KB
mongo.exe	7/12/2016 11:17 PM	Application	9,258 KB
mongod.exe	7/12/2016 11:22 PM	Application	18,941 KB
mongodump.exe	7/12/2016 11:13 PM	Application	11,446 KB
mongoexport.exe	7/12/2016 11:12 PM	Application	9,572 KB
mongofiles.exe	7/12/2016 11:11 PM	Application	9,483 KB
mongoimport.exe	7/12/2016 11:12 PM	Application	9,638 KB
mongooplog.exe	7/12/2016 11:14 PM	Application	9,268 KB
mongoperf.exe	7/12/2016 11:22 PM	Application	16,264 KB
mongorestore.exe	7/12/2016 11:12 PM	Application	13,521 KB



Gõ lệnh `mongod.exe --dbpath=F:\MongoStore\Data`



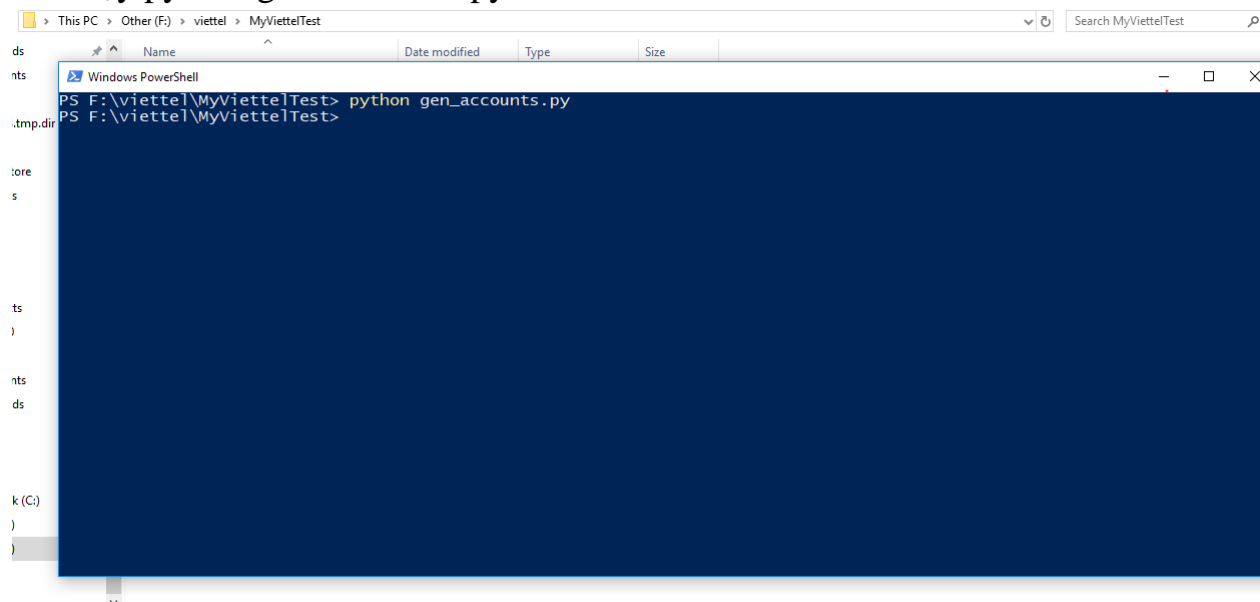
Sau đó bật thêm 1 cửa sổ cmd nữa trong thư mục bin và gõ lệnh sau(Không tắt cửa sổ ở trên đi):



Hoàn thành việc kết nối với MongoDB local.

Vào thư mục code myViettelTest bật window powershell trong thư mục này(shift+right click)

Và chạy python gen_accounts.py



Hoàn tất thêm dữ liệu account và database

Có thể truyền số lượng accounts muốn sinh vào trong main của file gen_accounts.py sau đó chạy như trên:

```
F:\viettel\MyViettelTest\gen_accounts.py (MyViettelTest) - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

static
  css
    /* bootstrap-datetimepicker.min.css
    /* custom.css
    /* font-awesome.min.css
    /* jumbotron-narrow.css
    /* justified-nav.css
    /* login.css
  fonts
  js
    /* angular.js
    /* bootstrap-datetimepicker.min.js
    /* controller.js
    /* custom.js
    /* dirPagination.js
    /* login.js
    /* moment.js
  templates
    < admin.html
    < layout.html
    < login.html
    < normal.html
    < register.html
  app.ini
  /* app.py
  /* gen_accounts.py
  < README.md
  requirement.txt
  /* wsgi.py

69 for i in range(n):
70     gender = random.choice(['male', 'female'])
71     name = name_rand(gender)
72     accounts.append({
73         'accountBalance': random.randint(50000, 1e9),
74         'accountNumber': '{0:011d}'.format(random.randint(1900000000, 1990000000)),
75         'address': address(),
76         'birthday': birthday(),
77         'cardNumber': '{0:09d}'.format(random.randint(10000000, 999000000)),
78         'idNumber': '{0:09d}'.format(random.randint(17400000, 179999999)),
79         'mail': mail(name),
80         'name': name,
81         'password': ''.join(random.choice(string.ascii_lowercase + string.ascii_uppercase + string.digits) for
82         'phoneNumber': '{0:011d}'.format(random.randint(1660000000, 1689999999)),
83         'role': random.choice(['normal', 'admin']),
84         'username': username(name),
85         'gender': gender,
86         'memberSince': '{0:02d}/{1:04d}'.format(random.randint(1, 13), random.randint(2000, 2019))
87     })
88 return accounts
89 if __name__ == '__main__':
90     myAccounts = gen_accounts(10000)
91     for account in myAccounts:
92         db.Accounts.insert(account)
93
```

Kiểm tra số lượng dữ liệu đã thêm vào trong mongo:

```
C:\Windows\System32\cmd.exe - mongo.exe
Microsoft Windows [Version 10.0.17134.165]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\kien6\Downloads\MongoDBPortable\App\MongoDB\bin>mongo.exe
MongoDB shell version: 3.2.8
connecting to: test
> use BankAccount
switched to db BankAccount
> db.Accounts.count()
10000
> db.Accounts.find()
{ "_id" : ObjectId("5b755da1006e9d2994c8599d"), "accountBalance" : 284894857, "accountNumber" : "17972290945", "address" : "Số 31 Ngách 25 Ngõ 44 Chùa Bộc", "birthday" : "27/8/1991", "cardNumber" : "985994099", "idNumber" : "147044595", "mail" : "phamthianh5951462@yahoo.vn", "name" : "Phạm Thị Anh", "password" : "2LbgPdhRp1ah", "phoneNumber" : "01685689287", "role" : "admin", "username" : "phamthianh9277457", "gender" : "female", "memberSince" : "12/2005" }
{ "_id" : ObjectId("5b755da1006e9d2994c8599e"), "accountBalance" : 77828728, "accountNumber" : "10345051002", "address" : "Số 62 Ngách 20 Ngõ 23 Bạch Mai", "birthday" : "10/2/1995", "cardNumber" : "532227666", "idNumber" : "055195036", "mail" : "hoangngochoa8271125@viettel.com.vn", "name" : "Hoàng Ngọc Hòa", "password" : "Q690gF0RNPkS", "phoneNumber" : "01669531337", "role" : "admin", "username" : "hoangngochoa4328739", "gender" : "female", "memberSince" : "13/2005" }
{ "_id" : ObjectId("5b755da1006e9d2994c8599f"), "accountBalance" : 792988016, "accountNumber" : "08966067045", "address" : "Số 32 Ngách 42 Ngõ 32 Lê Thanh Nghi", "birthday" : "18/1/1982", "cardNumber" : "012934645", "idNumber" : "150108648", "mail" : "phamdinhhung568740@gmail.com", "name" : "Phạm Đình Hùng", "password" : "RBD2KRH80HhO", "phoneNumber" : "01660714789", "role" : "admin", "username" : "phamdinhhung1276431", "gender" : "male", "memberSince" : "02/2003" }
{ "_id" : ObjectId("5b755da1006e9d2994c859a0"), "accountBalance" : 951232074, "accountNumber" : "16601567893", "address" : "Số 91 Ngách 18 Ngõ 41 Thanh Xuân", "birthday" : "17/11/1988", "cardNumber" : "304325795", "idNumber" : "148712101", "mail" : "lengocduyen8374236@viettel.com.vn", "name" : "Lê Ngọc Duyên", "password" : "hFJAowThc4zj", "phoneNumber" : "01682902660", "role" : "normal", "username" : "lengocduyen6711107", "gender" : "female", "memberSince" : "09/2004" }
{ "_id" : ObjectId("5b755da1006e9d2994c859a1"), "accountBalance" : 814591502, "accountNumber" : "06806278582", "address" : "Số 62 Ngách 42 Ngõ 31 Hà Đông", "birthday" : "7/6/2002", "cardNumber" : "141904902", "idNumber" : "119728656", "mail" : "levanhung1251759@viettel.com.vn", "name" : "Lê Văn Hùng", "password" : "D9o1Lnj2AwD9", "phoneNumber" : "01664754874" }
```