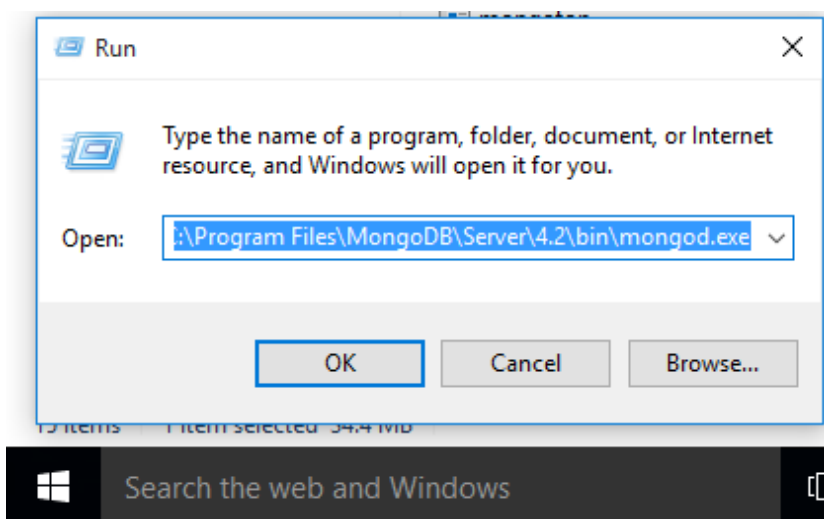


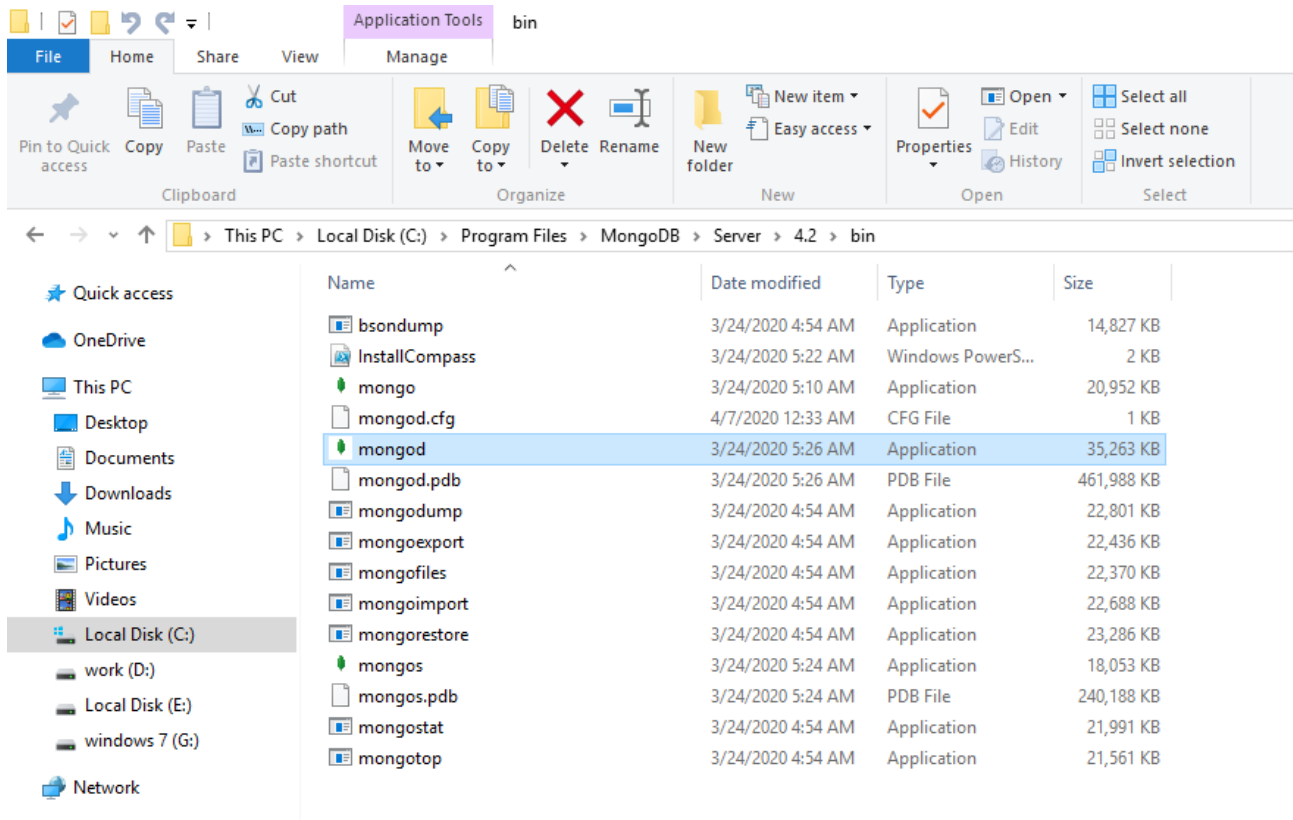
Mongo Shell

Mongo shell or MongoDB Shell is an interactive JavaScript interface to MongoDB. It is used to perform administrative operations and also query and update data. The mongo shell is as part of the MongoDB Server installation. Mongo Shell is also provided as a standalone package by MongoDB.

Prior to connecting to MongoDB one has to ensure that MongoDB is running. To start MongoDB, Run the following command

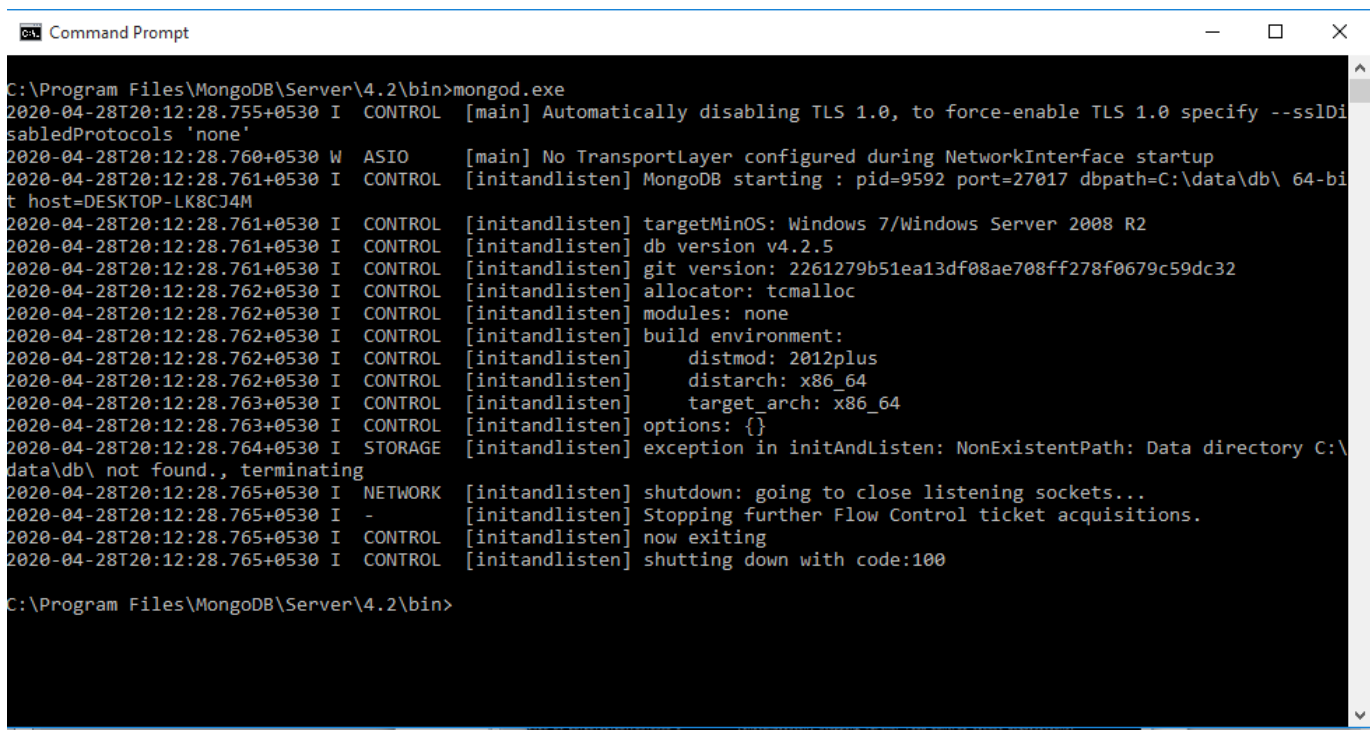


or browse the **mongod.exe** file in Windows explorer and double click it



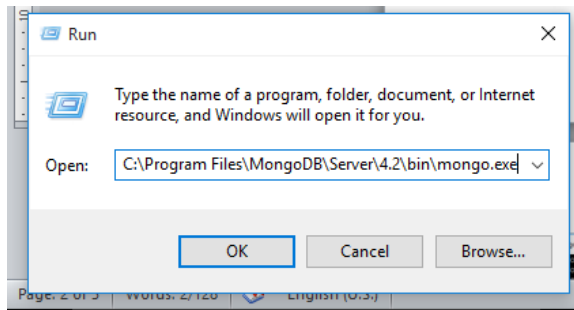
OR

Run the **mongod.exe** file on command prompt (path of the exe file is `C:\Program Files\MongoDB\Server\4.2\bin`)



Running Mongo Shell

1. Once you are sure that MongoDB is running,
2. Run the **mongo.exe** file from the same path (C:\Program Files\MongoDB\Server\4.2\bin) from command prompt or using Run or using Windows explorer.



3. Once executed, the Mongo Shell will open. Now you can execute desired commands.

```
C:\Program Files\MongoDB\Server\4.2\bin\mongo.exe
MongoDB shell version v4.2.5
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("3f5541f3-3bc1-4e7f-89bd-5bd7e59a44f4") }
MongoDB server version: 4.2.5
Server has startup warnings:
2020-04-07T00:33:18.245+0530 I  CONTROL  [initandlisten]
2020-04-07T00:33:18.245+0530 I  CONTROL  [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-04-07T00:33:18.245+0530 I  CONTROL  [initandlisten] **           Read and write access to data and configuration is
unrestricted.
2020-04-07T00:33:18.266+0530 I  CONTROL  [initandlisten]
---
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---
> -
```

Example: Running Help Command on the Mongo Shell

Various help options will be displayed as shown in the figure below:

```
C:\Program Files\MongoDB\Server\4.2\bin\mongo.exe
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---
> help
    db.help()                help on db methods
    db.mycoll.help()         help on collection methods
    sh.help()                sharding helpers
    rs.help()                replica set helpers
    help admin               administrative help
    help connect             connecting to a db help
    help keys                key shortcuts
    help misc                misc things to know
    help mr                  mapreduce

    show dbs                 show database names
    show collections          show collections in current database
    show users                show users in current database
    show profile              show most recent system.profile entries with time >= 1ms
    show logs                 show the accessible logger names
    show log [name]           prints out the last segment of log in memory, 'global' is default
    use <db_name>            set current database
    db.foo.find()             list objects in collection foo
    db.foo.find( { a : 1 } ) list objects in foo where a == 1
    it                       result of the last line evaluated; use to further iterate
    DBQuery.shellBatchSize = x set default number of items to display on shell
    exit                     quit the mongo shell
>
```

Assignment

- 1.what is MongoDB shell?
- 2.what are steps to run MongoDB shell?