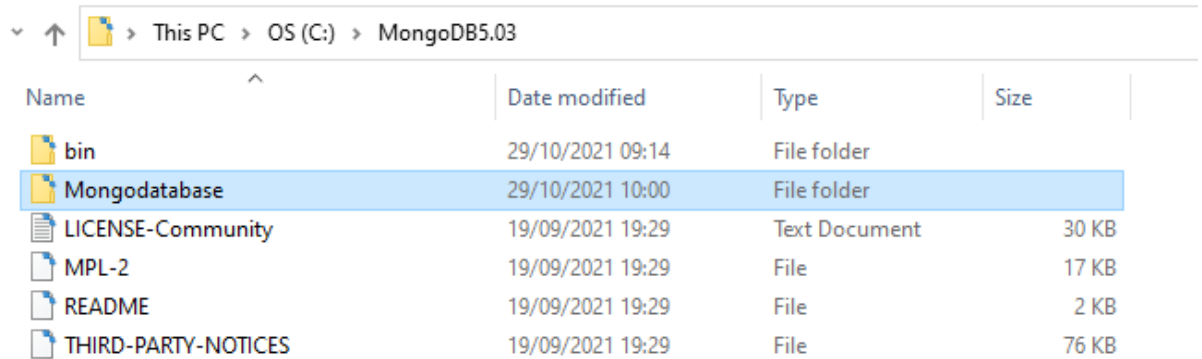**Starting Mongo for the 1st time**

1. Create a folder called Mongodatabase. This is what we will use for the database storage files. You can create this on one drive (or alternatively on a local drive you can write to). Please note the path to it

2. To test the set up. Open a CMD window and and change directory to the bin folder.

3. Type in **mongod** command to create the database storage files for the 1st time and run the the MongoDB DBMS

   mongod --port 27017 --dbpath C:\MongoDB5.03\Mongodatabase

   The DBMS is now running waiting for connections. Please note the storage files have now been created(below)

> This PC > OS (C:) > MongoDB5.03 > Mongodatabase

Name	Date modified	Type	Size
diagnostic.data	29/10/2021 10:00	File folder	
journal	29/10/2021 09:59	File folder	
_mdb_catalog.wt	29/10/2021 10:00	WT File	36 KB
collection-0-8316382525634277859.wt	29/10/2021 10:00	WT File	20 KB
collection-2-8316382525634277859.wt	29/10/2021 10:00	WT File	36 KB
collection-4-8316382525634277859.wt	29/10/2021 09:59	WT File	20 KB
collection-7-8316382525634277859.wt	29/10/2021 09:59	WT File	20 KB
index-1-8316382525634277859.wt	29/10/2021 10:00	WT File	20 KB
index-3-8316382525634277859.wt	29/10/2021 10:00	WT File	36 KB
index-5-8316382525634277859.wt	29/10/2021 09:59	WT File	20 KB
index-6-8316382525634277859.wt	29/10/2021 10:00	WT File	20 KB
index-8-8316382525634277859.wt	29/10/2021 09:59	WT File	20 KB
mongod.lock	29/10/2021 10:00	LOCK File	0 KB
sizeStorer.wt	29/10/2021 10:00	WT File	36 KB
storage.bson	29/10/2021 09:38	BSON File	1 KB
WiredTiger	29/10/2021 09:38	File	1 KB
WiredTiger.lock	29/10/2021 09:38	LOCK File	1 KB
WiredTiger.turtle	29/10/2021 10:00	TURTLE File	2 KB
WiredTiger.wt	29/10/2021 10:00	WT File	76 KB
WiredTigerHS.wt	29/10/2021 10:00	WT File	4 KB

Note: Make sure you have at least 300MB of space for the database storage files.
Note: if you want to create and run the database in One drive the command will look like this (note ""). Make sure to create the MongoDatabase folder first!
mongod --port 27017 --dbpath "C:\Users\Sean\OneDrive - Technological University Dublin\MongoDatabase"

4. To connect to the DBMS, open a second CMD window and run the **mongosh** command. This is the command line interface that will automatically connect to the running DBMS


```
C:\MongoDB5.03\bin>mongosh
Current Mongosh Log ID: 617bba78d32cd4fcd3a0bbe4
Connecting to:          mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=200
Using MongoDB:          5.0.3
Using Mongosh:          1.0.7

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

------
   The server generated these startup warnings when booting:
   2021-10-29T10:10:03.675+01:00: Access control is not enabled for the database. Read and write acce
onfiguration is unrestricted
   2021-10-29T10:10:03.675+01:00: This server is bound to localhost. Remote systems will be unable to
 server. Start the server with --bind_ip <address> to specify which IP addresses it should serve resp
ith --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bin
o disable this warning
------

Warning: Found ~/.mongorc.js, but not ~/.mongoshrc.js. ~/.mongorc.js will not be loaded.
   You may want to copy or rename ~/.mongorc.js to ~/.mongoshrc.js.
test>
```