

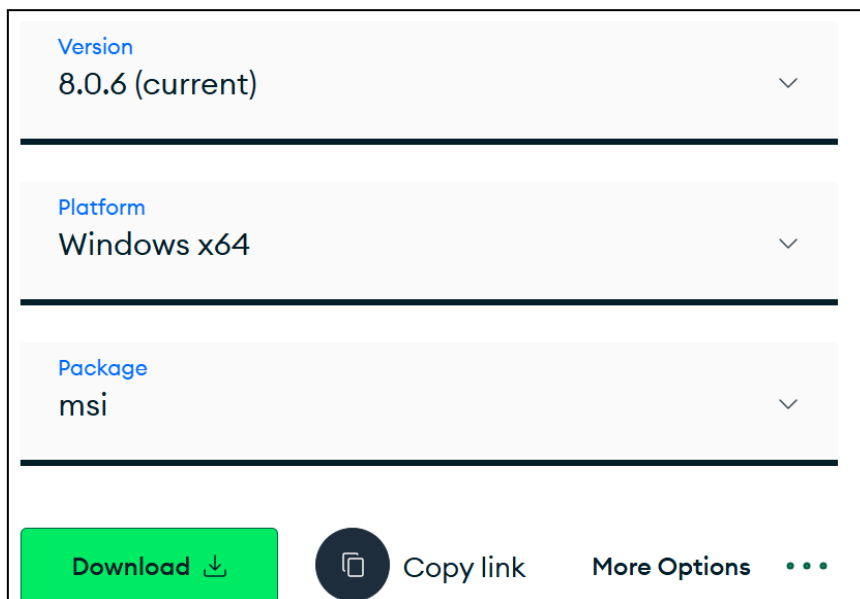
Installing MongoDB and MongoDB Compass

On Windows

Here are the steps to install MongoDB on a Windows system:

1. Download MongoDB:

- a. Go to the official MongoDB website:
<https://www.mongodb.com/try/download/community>
- b. Select "**Windows**" as your operating system.
- c. Choose the appropriate version (64bit or 32bit) based on your system.
- d. Select the '**msi**' package and click the Download button (as shown in the following figure).



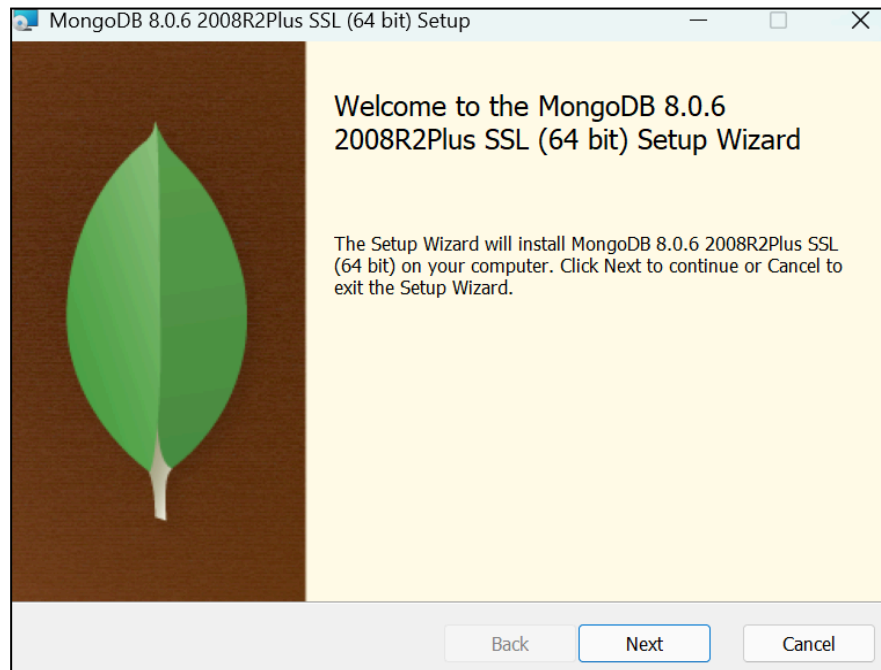
The screenshot shows the MongoDB download selection interface. It features three dropdown menus for selecting the version, platform, and package type. The 'Version' dropdown is set to '8.0.6 (current)', the 'Platform' dropdown is set to 'Windows x64', and the 'Package' dropdown is set to 'msi'. At the bottom, there is a green 'Download' button with a download icon, a 'Copy link' button with a copy icon, and a 'More Options' button with a three-dot menu icon.

Version	8.0.6 (current)	▼
Platform	Windows x64	▼
Package	msi	▼

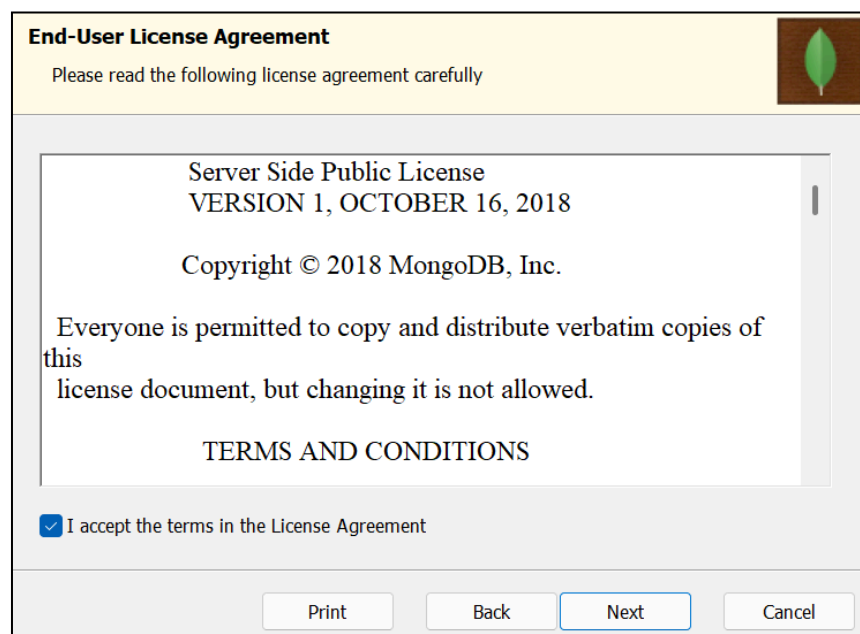
[Download](#) [Copy link](#) [More Options](#)

2. Install MongoDB:

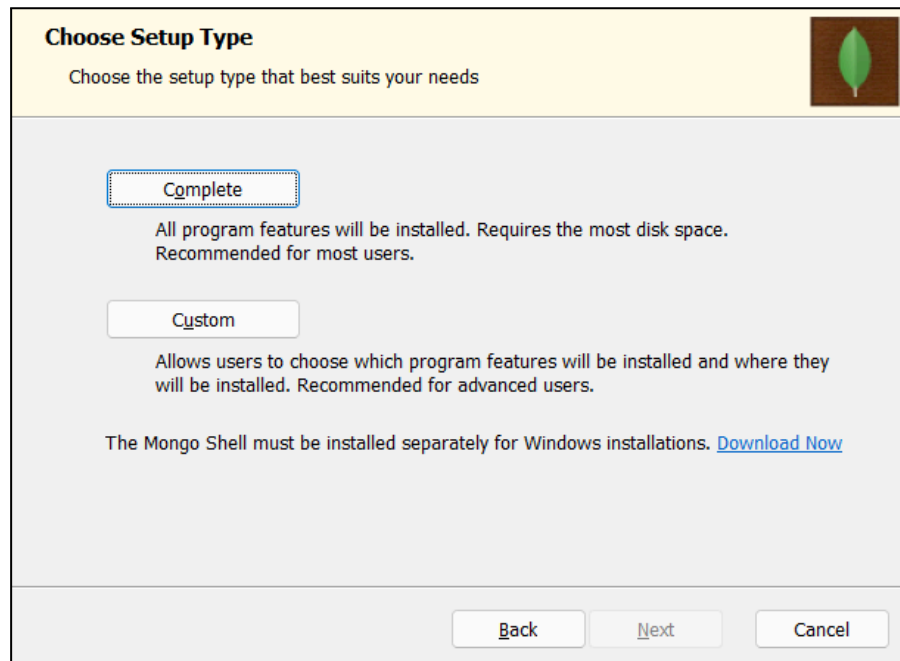
- a. Locate the downloaded installer file and double-click it to run, opening the dialog box (Welcome Screen). Click on **"Next"** to continue the Setup.



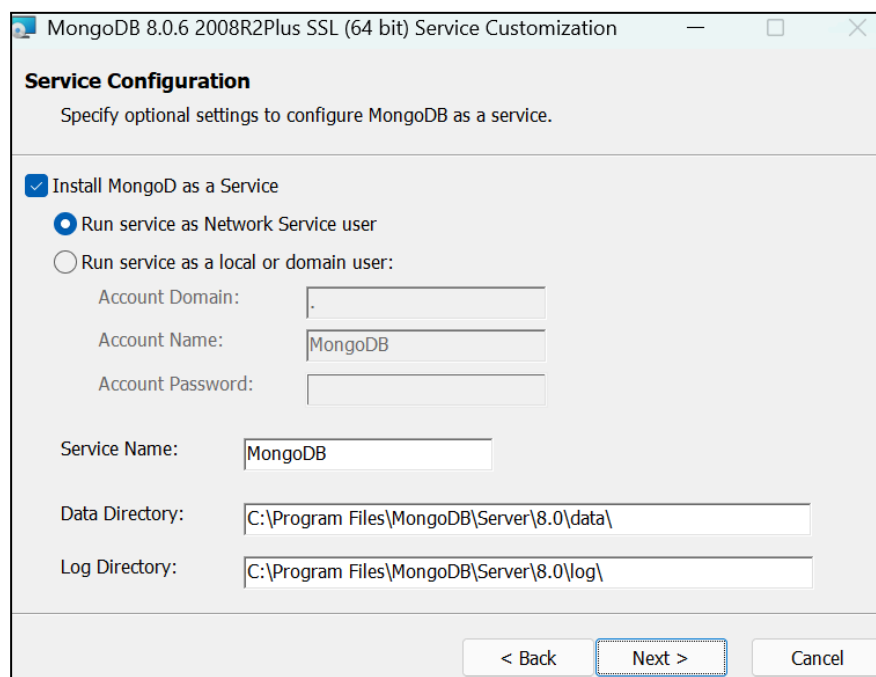
- b. Accept the terms in the license agreement and click **"Next"**.



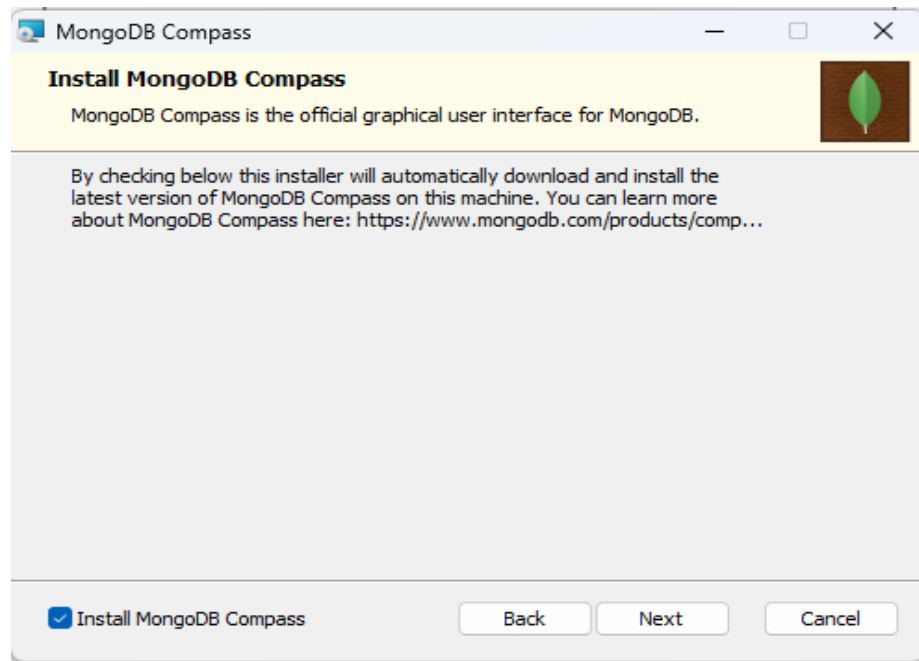
- c. Choose the **"Complete"** setup type and click **"Next"**.



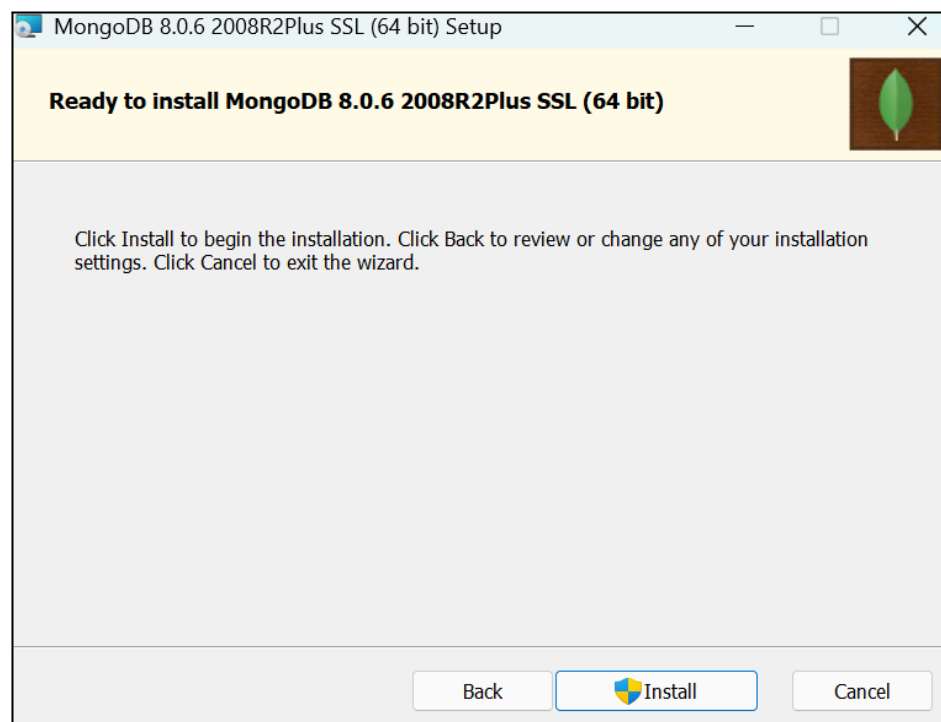
- d. Choose the destination folder for installation or keep the default and choose whether to install MongoDB as a service. It's recommended to install it as a service so it starts automatically with Windows. Then, click **"Next"**.



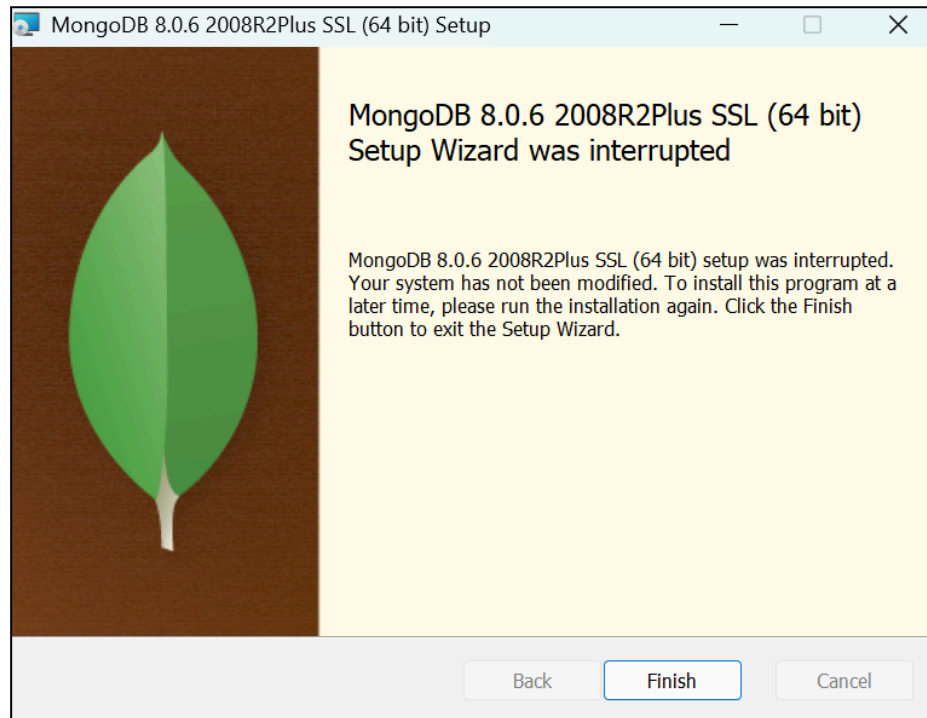
- e. Select **"Install MongoDB Compass"** to install the UI tool for MongoDB (MongoDB compass), then click **"Next"**.



f. Review the installation settings and click **"Install"**.



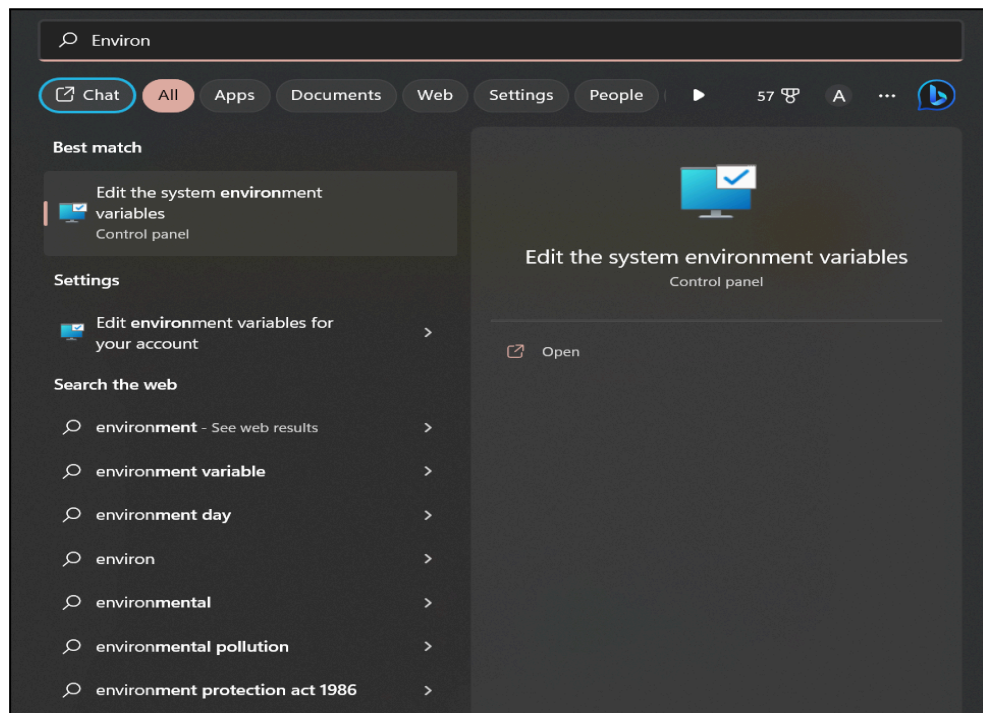
g. Finally, click on **"Finish"** to exit the setup.



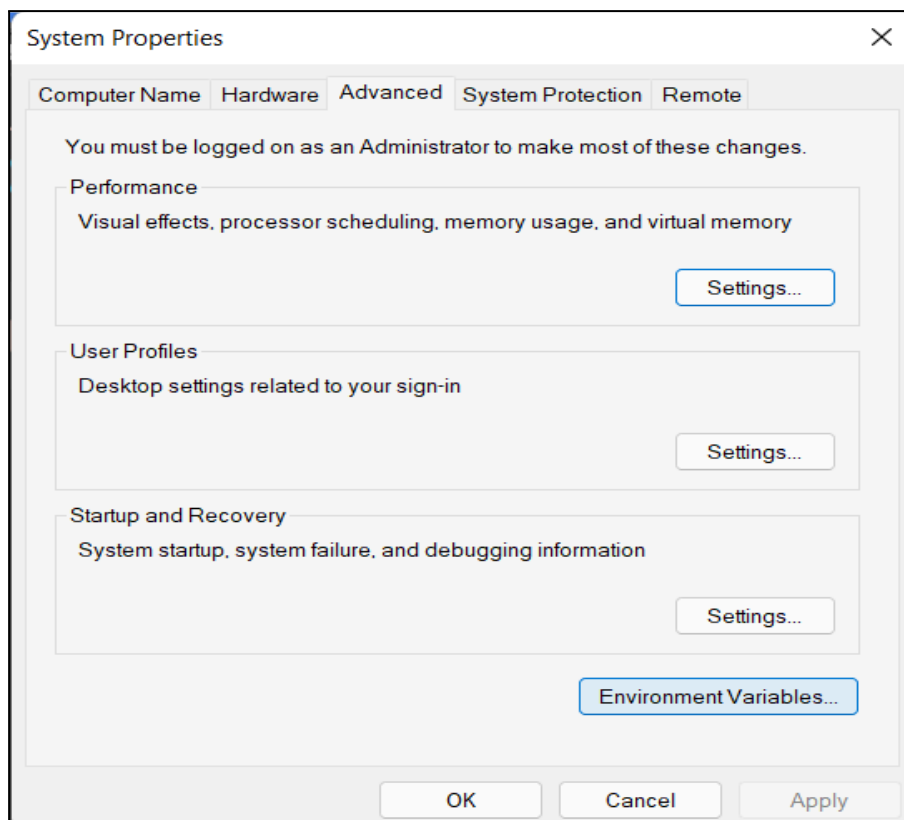
3. Add MongoDB Binaries to System Path (Optional but recommended):

- a. To run MongoDB commands from the Command Prompt (CMD) or PowerShell from any location, it's a good idea to add the MongoDB binaries to your system's PATH environment variable:

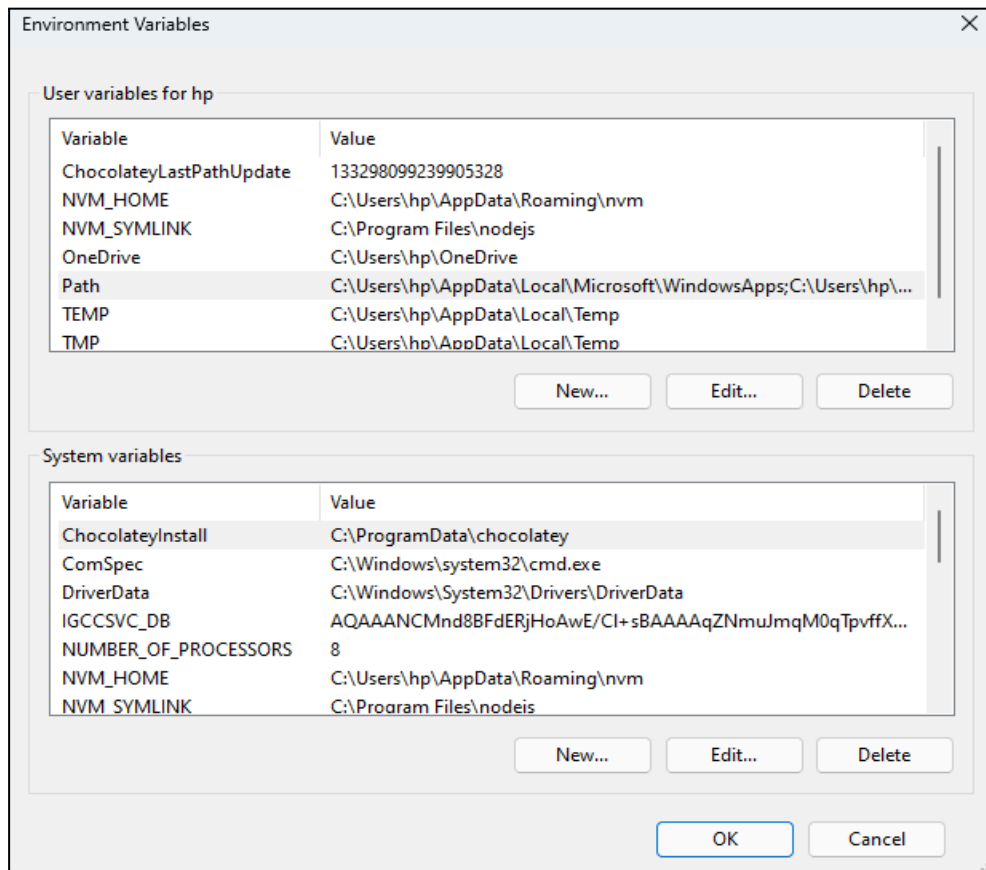
Search for **"Environment Variables"** in the Windows search bar and open "Edit the system environment variables".



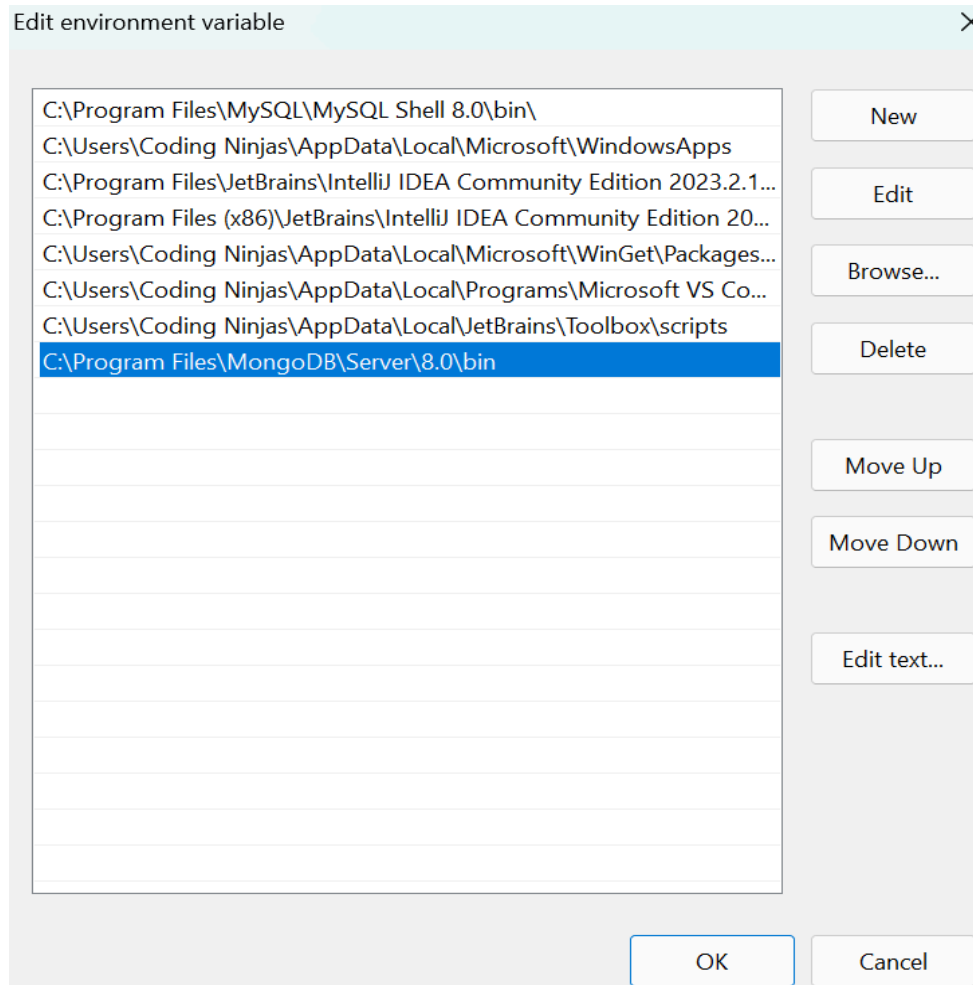
- b. Now, in the system properties window, select the “Environment Variables” option and click OK.



- c. In the Environment Variables (User Variables) window, select “**Path**” and click edit.



- d. Click “**New**” and add the bin path for the installed mongodb in the “Edit environment variable” window.



e. Click "OK" to close the dialogs.

4. Start Using MongoDB:

Now, you can use the '**mongod**' command and MongoDB Compass.

MongoDB Shell installation guide.

This interface empowers users to interact with databases efficiently through command-line interactions.

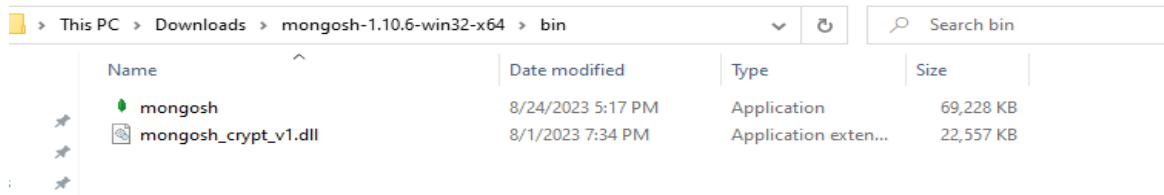
Now, to use the MongoDB shell, follow the given steps:

a. Download the zip file from

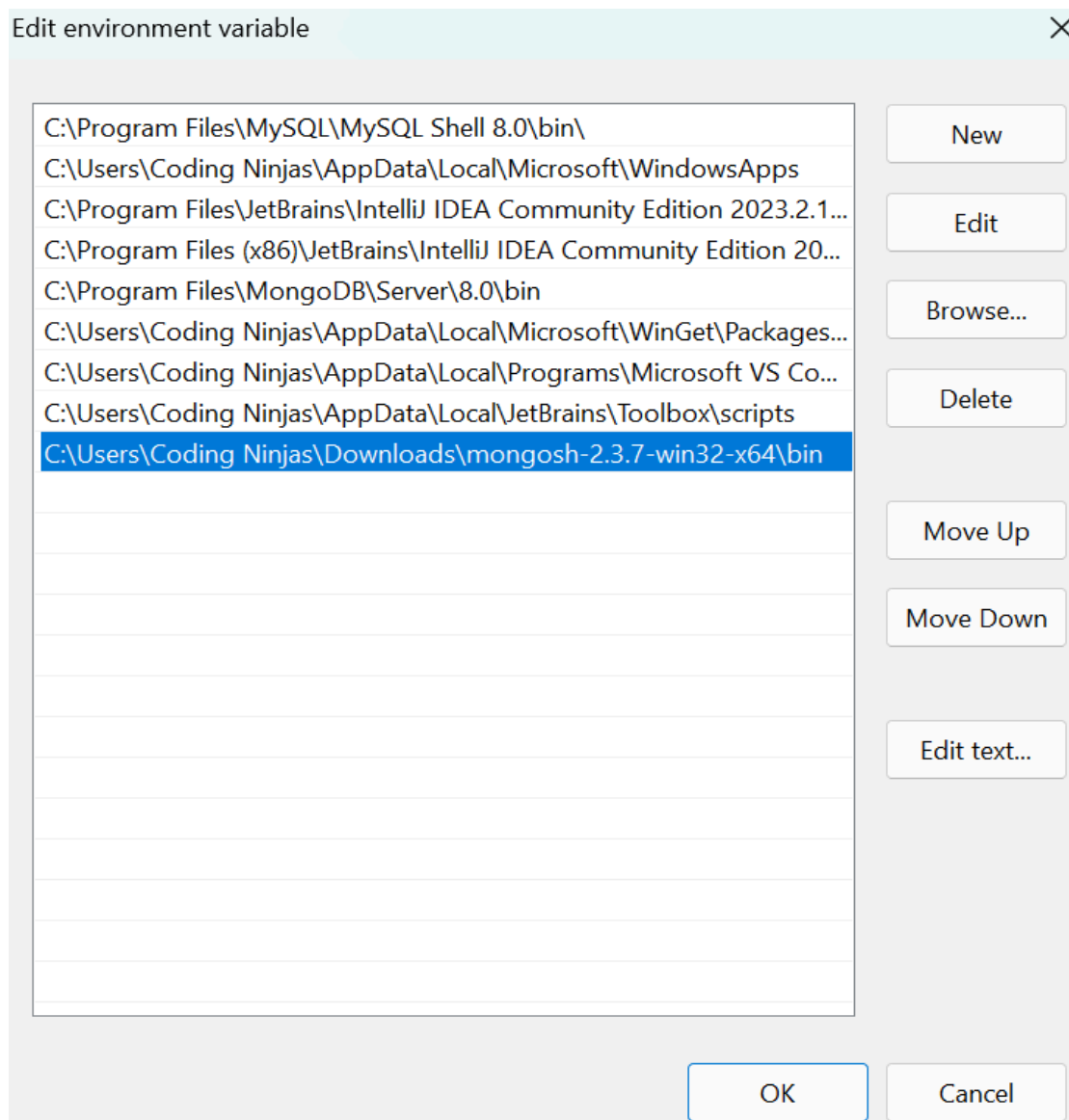
<https://www.mongodb.com/try/download/shell>

b. Extract the file.

c. Now go to the bin directory,



d. Now, as mentioned in step 3 of the installation, add this path to the **'Path'** variable



e. Now you can use the mongo shell by typing **'mongosh'** inside Powershell or cmd, and we get the following output as shown in the image below.

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.3.7

Microsoft Windows [Version 10.0.26100.3775]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Coding Ninjas>mongosh
Current Mongosh Log ID: 67f8f410dce82ff4b14eeb85
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.3.7
Using MongoDB:      8.0.6
Using Mongosh:       2.3.7
mongosh 2.5.0 is available for download: https://www.mongodb.com/try/download/shell

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

-----
The server generated these startup warnings when booting
2025-04-11T16:19:30.639+05:30: Access control is not enabled for the database. Read and write access to data and configuration is
unrestricted
2025-04-11T16:19:31.254+05:30: Document(s) exist in 'system.replset', but started without --replSet. Database contents may appear
inconsistent with the writes that were visible when this node was running as part of a replica set. Restart with --replSet unless you
are doing maintenance and no other clients are connected. The TTL collection monitor will not start because of this. For more info s
ee http://dochub.mongodb.org/core/ttlcollections
-----

test> |
```

```
C:\Windows\System32>mongod
{"t":{"$date":"2025-04-11T16:10:36.301+05:30"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"thread1","msg":"Automatically disabling TLS 1.0, to force-enable TLS 1.0 speci
fy --sslDisabledProtocols 'none'"},
{"t":{"$date":"2025-04-11T16:10:36.168+05:30"},"s":"I", "c":"CONTROL", "id":5945603, "ctx":"thread1","msg":"Multi threading initialized"},
{"t":{"$date":"2025-04-11T16:10:36.171+05:30"},"s":"I", "c":"NETWORK", "id":4648601, "ctx":"thread1","msg":"Implicit TCP FastOpen unavailable. If TCP FastOpen is required
, set at least one of the related parameters","attr":{"relatedParameters":{"tcpFastOpenServer","tcpFastOpenClient","tcpFastOpenQueueSize"}}},
{"t":{"$date":"2025-04-11T16:10:36.180+05:30"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"thread1","msg":"Initialized wire specification","attr":{"spec":{"incomingExtern
alClient":{"minWireVersion":0,"maxWireVersion":25},"incomingInternalClient":{"minWireVersion":0,"maxWireVersion":25},"outgoing":{"minWireVersion":6,"maxWireVersion":25},"is
InternalClient":true}}},
{"t":{"$date":"2025-04-11T16:10:36.191+05:30"},"s":"I", "c":"TENANT_M", "id":7091600, "ctx":"thread1","msg":"Starting TenantMigrationAccessBlockerRegistry"},
{"t":{"$date":"2025-04-11T16:10:36.192+05:30"},"s":"I", "c":"CONTROL", "id":4615611, "ctx":"initandlisten","msg":"MongoDB starting","attr":{"pid":16428,"port":27017,"dbPa
th":"/data/db","architecture":"64-bit","host":"LAPTOP-34V3C2A1"}},
{"t":{"$date":"2025-04-11T16:10:36.192+05:30"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten","msg":"Target operating system minimum version","attr":{"target
MinOS":"Windows 7/Windows Server 2008 R2"}},
{"t":{"$date":"2025-04-11T16:10:36.192+05:30"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten","msg":"Build Info","attr":{"buildInfo":{"version":"8.0.4","gitV
ersion":"bc35ab4305d9920d9d0491c1c9ef9b72383d31f9","modules":[],"allocator":"tcmalloc-gperf","environment":{"distmod":"windows","distarch":"x86_64","target_arch":"x86_64"}
}}},
{"t":{"$date":"2025-04-11T16:10:36.192+05:30"},"s":"I", "c":"CONTROL", "id":51765, "ctx":"initandlisten","msg":"Operating System","attr":{"os":{"name":"Microsoft Window
s 10","version":"10.0 (build 26100)"}},
{"t":{"$date":"2025-04-11T16:10:36.192+05:30"},"s":"I", "c":"CONTROL", "id":21951, "ctx":"initandlisten","msg":"Options set by command line","attr":{"options":{}}}
{"t":{"$date":"2025-04-11T16:10:36.196+05:30"},"s":"E", "c":"CONTROL", "id":20557, "ctx":"initandlisten","msg":"DBException in initAndListen, terminating","attr":{"erro
r":{"NonExistentPath: Data directory \\data\\db not found. Create the missing directory or specify another path using (1) the -dbpath command line option, or (2) by adding
the 'storage.dbPath' option in the configuration file."}}},
{"t":{"$date":"2025-04-11T16:10:36.197+05:30"},"s":"I", "c":"REPL", "id":4784900, "ctx":"initandlisten","msg":"Stepping down the ReplicationCoordinator for shutdown","a
ttr":{"waitTimeMillis":15000}},
{"t":{"$date":"2025-04-11T16:10:36.198+05:30"},"s":"I", "c":"REPL", "id":4794602, "ctx":"initandlisten","msg":"Attempting to enter quiesce mode"},
{"t":{"$date":"2025-04-11T16:10:36.198+05:30"},"s":"I", "c":"-", "id":6371601, "ctx":"initandlisten","msg":"Shutting down the FLE Crud thread pool"},
{"t":{"$date":"2025-04-11T16:10:36.199+05:30"},"s":"I", "c":"COMMAND", "id":4784901, "ctx":"initandlisten","msg":"Shutting down the MirrorMaestro"},
{"t":{"$date":"2025-04-11T16:10:36.199+05:30"},"s":"I", "c":"SHARDING", "id":4784902, "ctx":"initandlisten","msg":"Shutting down the WaitForMajorityService"},
{"t":{"$date":"2025-04-11T16:10:36.199+05:30"},"s":"I", "c":"NETWORK", "id":8314100, "ctx":"initandlisten","msg":"Shutdown: Closing listener sockets"},
{"t":{"$date":"2025-04-11T16:10:36.199+05:30"},"s":"I", "c":"NETWORK", "id":4784905, "ctx":"initandlisten","msg":"Shutting down the global connection pool"},
{"t":{"$date":"2025-04-11T16:10:36.199+05:30"},"s":"I", "c":"CONTROL", "id":4784906, "ctx":"initandlisten","msg":"Shutting down the FlowControlTicketHolder"},
{"t":{"$date":"2025-04-11T16:10:36.199+05:30"},"s":"I", "c":"-", "id":20520, "ctx":"initandlisten","msg":"Stopping further Flow Control ticket acquisitions."},
{"t":{"$date":"2025-04-11T16:10:36.199+05:30"},"s":"I", "c":"NETWORK", "id":4784918, "ctx":"initandlisten","msg":"Shutting down the ReplicaSetMonitor"},
{"t":{"$date":"2025-04-11T16:10:36.200+05:30"},"s":"I", "c":"SHARDING", "id":4784921, "ctx":"initandlisten","msg":"Shutting down the MigrationUtilExecutor"}
```