

EX:6 – NoSQL using MongoDB

Aim: To create, update and delete No SQL documents using MongoDB.

Algorithm:

1. Install MongoDB server from the link [Download MongoDB Community Server | MongoDB](#)
2. Install .msi file
3. Install mongod shell : [MongoDB Shell Download | MongoDB](#)
4. Save it in C:
5. Set the path
 - a. Goto control panel -> system properties -> environmental variable
7. Show database using showdbs
8. Use database using use command
9. Create a school database
10. insert documents into school database
11. Display the documents in the database
12. Insert many documents in the collection
13. Sort the document in alphabetical order . 1-alphabetical order and -1 for reverse order
14. update one or many documents
15. Delete one or many documents

Program:

```
test>show dbs
```

```
test>use school
```

```
school>db.createCollection("students")
```

```
school>db.students.insertOne({name:"Spongebob",age:30,gpa:3.2})
```

```
school>db.students.find()
```

```
school>db.students.insertMany([{name:"Patrick",age:38,gpa:1.5},{name:"Sandy",age:27,gpa:4.0},{name:"Gary",age:18,gpa:2.5}])
```

```
school>db.students.find().sort({name:1})
```

```
school>db.students.updateOne({name:"Spongebob"},{$set:{fulltime:true}})
```

```
school>db.students.find({name:"Spongebob"})
```

```
school>db.students.updateMany({},{$set:{fulltime:false}})
```

```
school>db.students.find()
```

```
school>db.students.deleteOne({name:"Spongebob"})
```

```
school>db.students.find()
```

```
school>db.students.deleteMany({fulltime:false})
```

```
school>db.students.find()
```

Output:

Version

6.0.7 (current)

▼

Platform


Windows x64


▼


Package

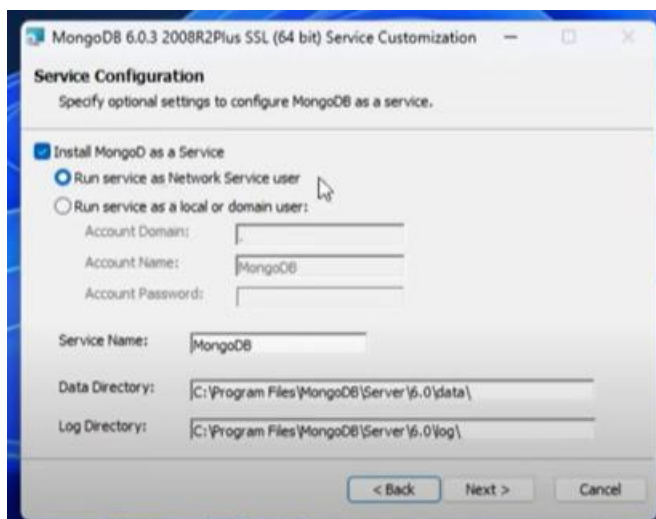
msi

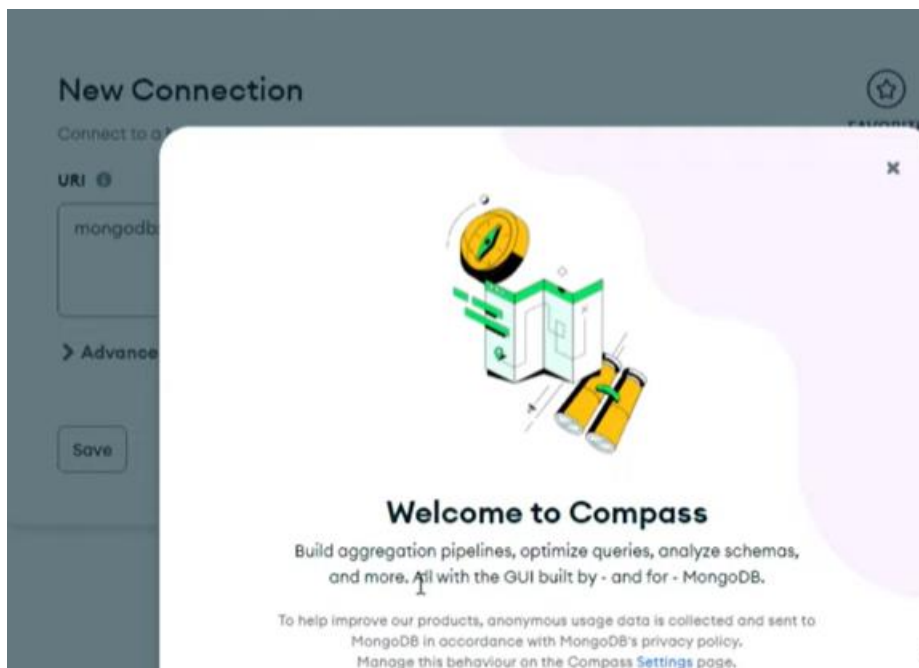
▼

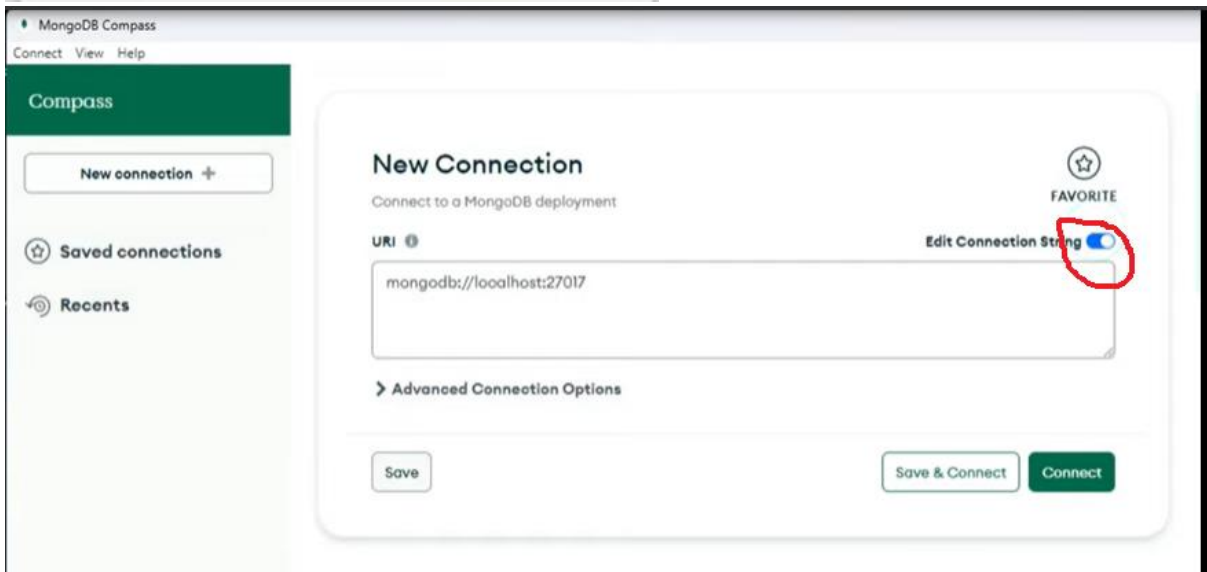
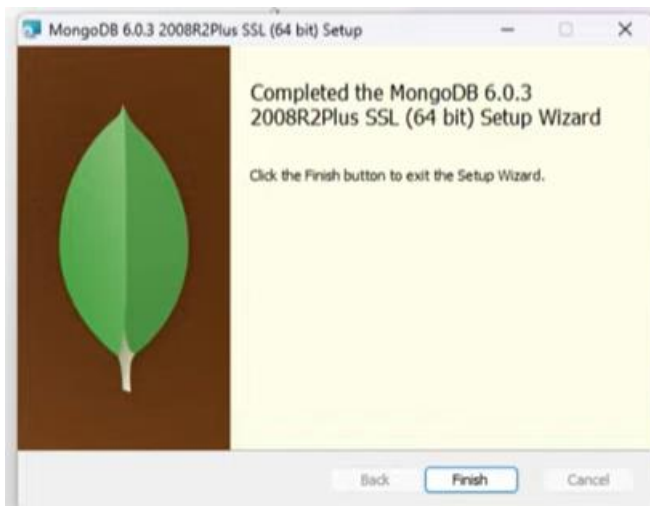
Download 

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More Options 






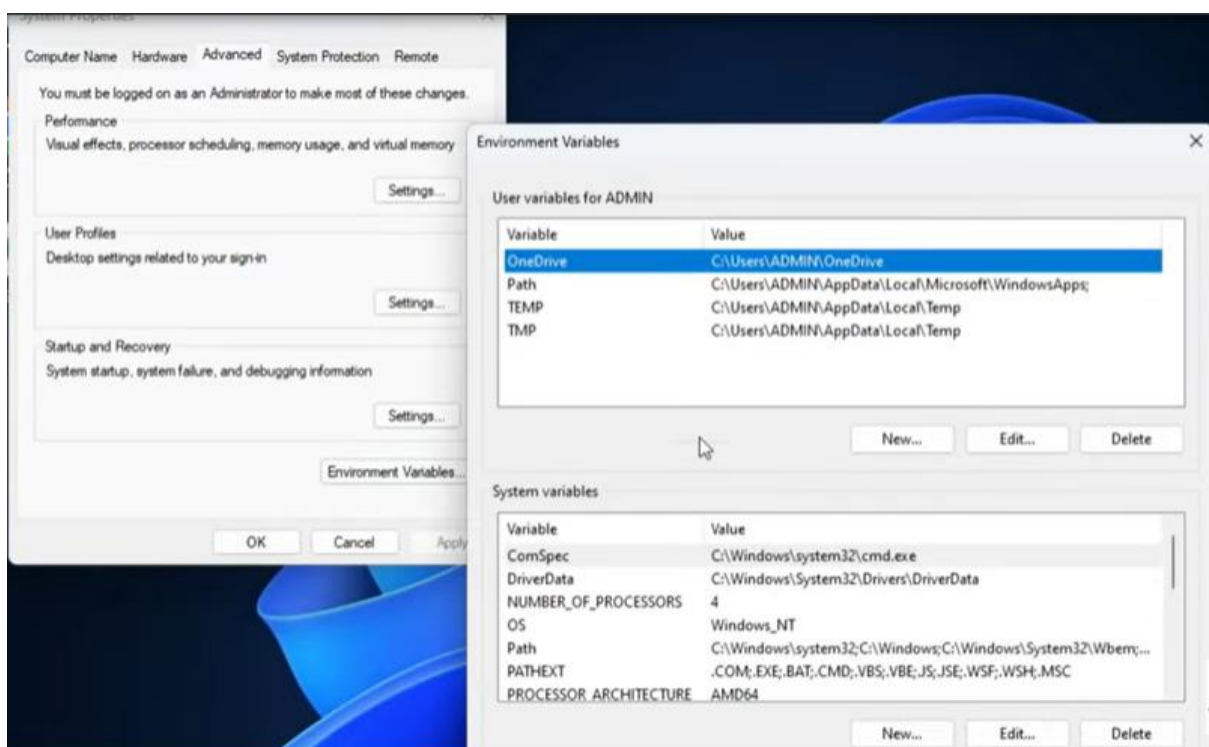
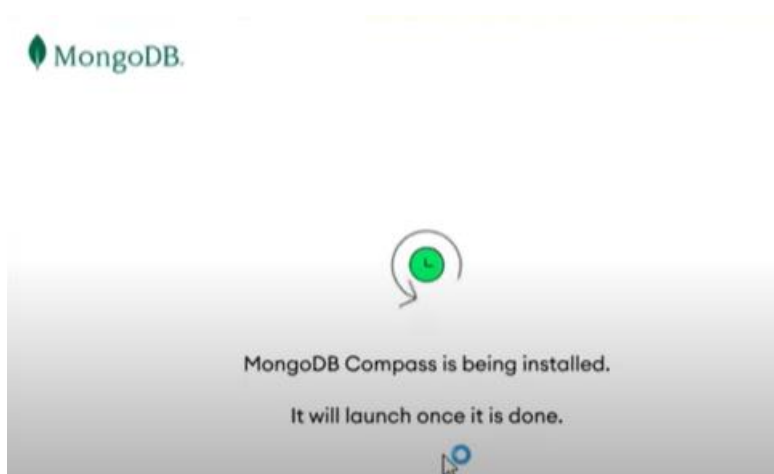
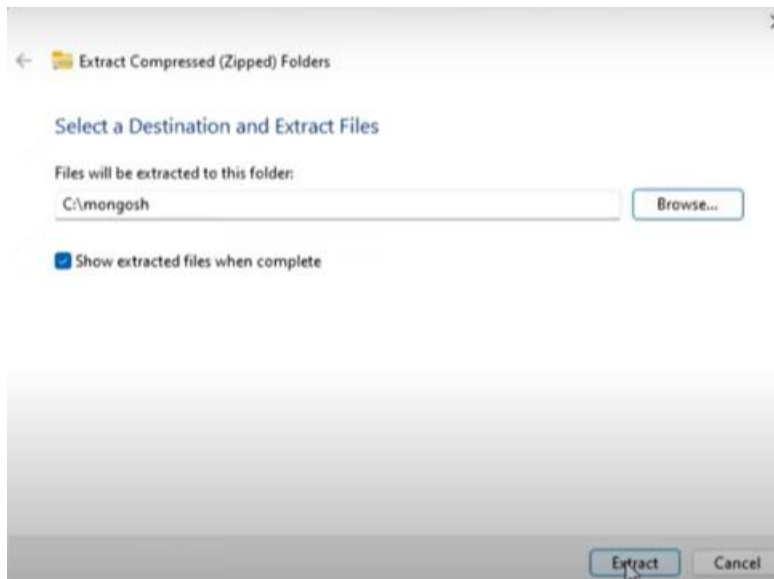




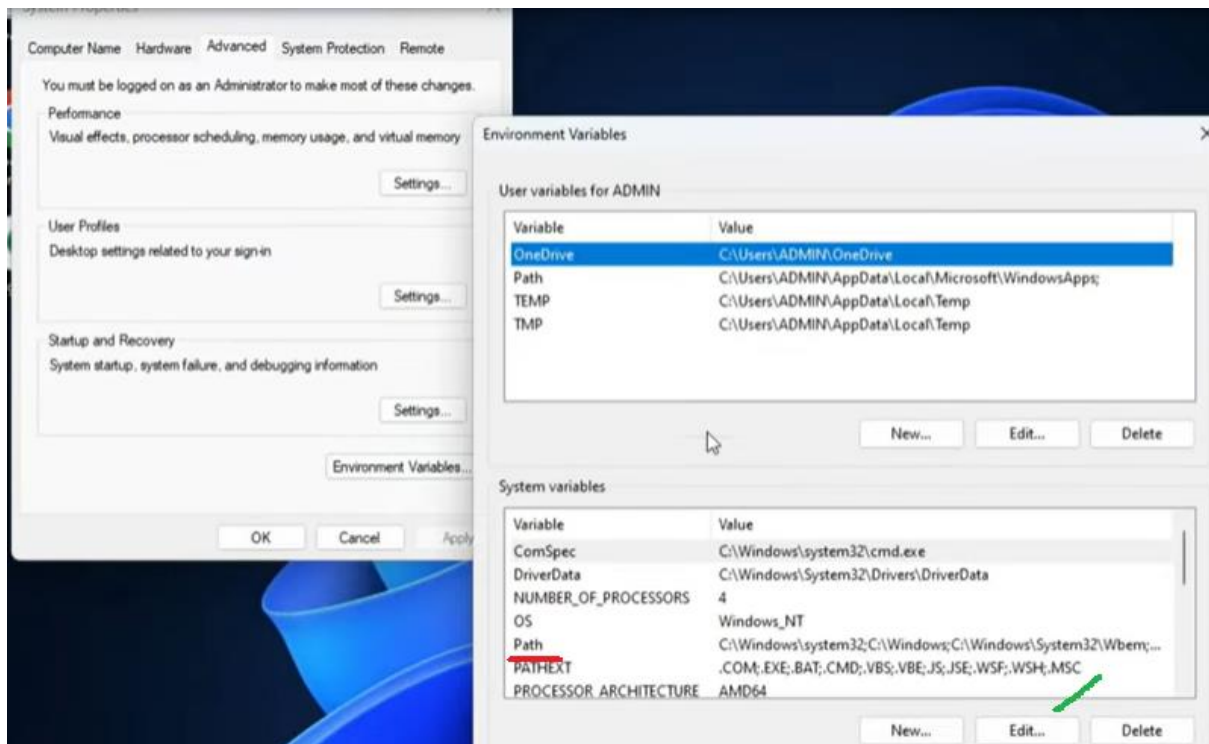
Mongo compass connection established. Then Click **Connect**

Version	1.10.1	▼
Platform	Windows 64-bit (8.1+)	▼
Package	zip	▼

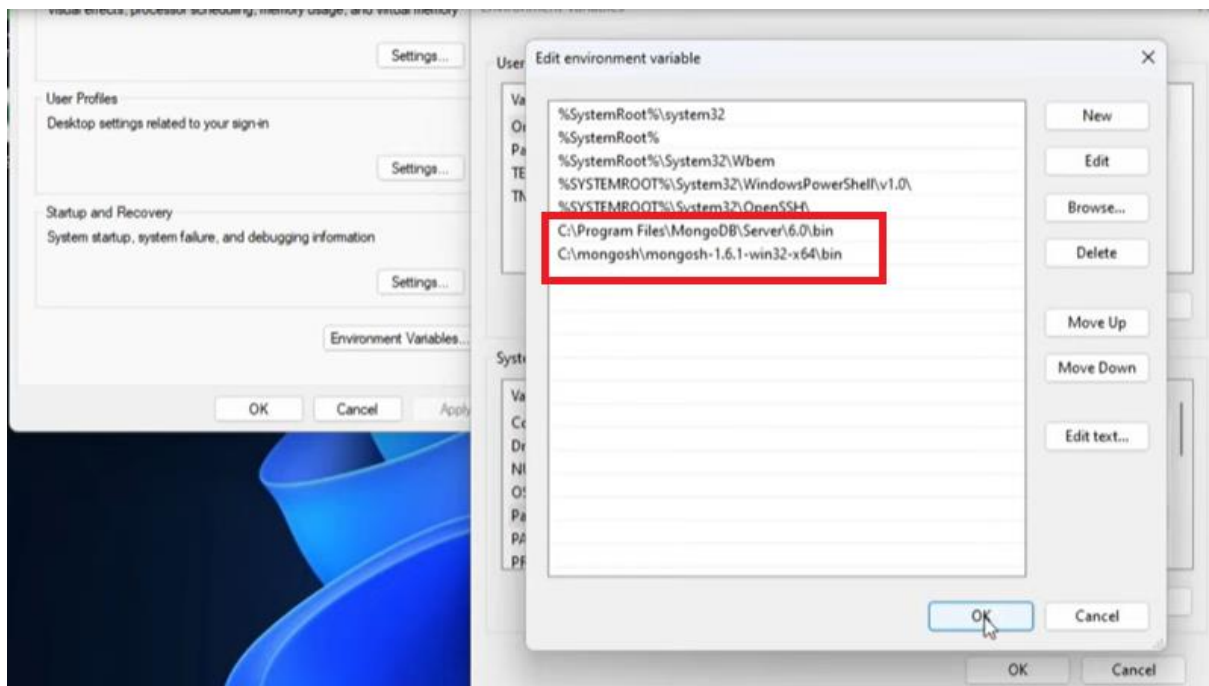
[Download](#)   Copy link [More Options](#) 



Click Path -> Edit





Add the highlighted path



Goto C:\mongosh\mongosh-1.6.1-win32-x64\bin

Click the application

Name	Date modified	Type	Size
 mongosh	04-07-2023 09:52	Application	69,594 KB
 mongosh_crypt_v1.dll	04-07-2023 09:52	Application extens...	20,547 KB

```
mongosh mongodb://127.0.0.1:27017/mongod?directConnection=true&serverSelectionTimeoutMS=2000
Please enter a MongoDB connection string (Default: mongodb://localhost/): mongod
Current Mongosh Log ID: 64ad59203900e21898b7e17c
Connecting to:      mongodb://127.0.0.1:27017/mongod?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.10.1
Using MongoDB:      6.0.7
Using Mongosh:      1.10.1

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

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The server generated these startup warnings when booting
2023-07-05T09:32:53.846+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

mongod>

mongod>
```