

Link to repo: <https://github.com/arif-zikry/cloudw1>

Exercise Questions

Answer these by completing the lab steps and observing results.

1. Code Execution & Output

After running your index.js script:

What exact text does the console display when the document is inserted?

[Document Inserted!](#)

What _id value is automatically assigned to the document?

[68e9d63f10ef2555180718f8](#)

2. Modify and Observe

Change the name field in index.js to your own name and the age to your birth year. Run the script again.

What new _id is generated for this document?

[68e9d8e0c1626167d599c34e](#)

What error occurs if you forget to call await client.connect()?

[Node was still able to send a query to MongoDB](#)

3. MongoDB Connection Failure

Intentionally break the MongoDB connection string (e.g., change the port to 27018).

What error message does NodeJS throw?

[MongoServerError](#)

What is the exact text of the error code (e.g., ECONNREFUSED)?

[connect ECONNREFUSED ::1:27018, connect ECONNREFUSED 127.0.0.1:27018](#)

4. MongoDB Shell Query

o Use the MongoDB shell (not Compass) to:

List all documents in the testDB.users collection.

What command did you use? Paste the full output.

[Navigate to desired database then use db.users.find\(\).](#)

```
{
  _id: ObjectId('68e9d63f10ef2555180718f8'),
  name: 'Alice',
  age: 25
}
{
  _id: ObjectId('68e9d8e0c1626167d599c34e'),
  name: 'Arif',
  age: 2004
}
```

5. File System & Dependencies

What is the absolute path to your project's package-lock.json file?

[C:\Users\Arif\Desktop\Stuff\Degree\S2\Cloud\W1](#)

What exact version of the mongodb driver is installed?

[8.2](#)

6. Troubleshooting Practice

Stop the MongoDB service and run the script.

What error occurs?

[MongoServerSelectionError](#)

What command restarts the service?

[WindowsServiceManager](#)

7. GitHub Repository Structure

On GitHub, navigate to your repository's.

What timestamp is listed for your last commit?

[51 Minutes ago](#)

How many files are present in this branch?

[5](#)

8. Performance Observation

Time how long it takes for the script to print "Connected to MongoDB!".

What is the duration (in milliseconds)?

[17ms](#)

Does this time change if you run the script again? Why?

[14ms, the connection is cached into the system.](#)

Screenshots

```
C:\Users\Arif\Desktop\Stuff\Degree\S2\Cloud\W1>node index.js
Welcome to MongoDB!
Connection established in 15 ms
Document Inserted!
Query result: {
  _id: new ObjectId('68e9d8e0c1626167d599c34e'),
  name: 'Arif',
  age: 2004
}
```

