

Name : Avinash

Roll number : 21011102019

Connecting Mongo DB

Server/db.js:

```
const mongoose = require('mongoose')
const dotenv = require('dotenv').config();

const connectDB = async () => {
  try {
    // console.log(process.env.MONGO)
    const conn = await
mongoose.connect("mongodb+srv://avinashcube:mongodb@avinashcluster.eqzygkc
.mongodb.net/?retryWrites=true&w=majority")
    console.log(`MongoDB Connected:
${conn.connection.host}`.cyan.underline)
  } catch (error) {
    console.log(error)
    process.exit(1)
  }
}

module.exports = connectDB
```

server/index.js:

```
const http = require('http');
const express = require('express');
const bodyParser = require('body-parser');
const colors = require('colors');
const dotenv = require('dotenv').config();
const connectDB = require('./db');

// const server = http.createServer((req, res) => {
//   res.writeHead(200, { 'Content-Type': 'text/plain' });
//   res.end('Hello, Node.js Server!\n');
// });

const PORT = process.env.PORT || 3001;
const app = express();
app.use(bodyParser.json());
app.use(express.json());
app.use(express.urlencoded({ extended: false }));

app.get('/', (req, res) => {
```

```

    connectDB();
    res.send('connected to Mongo DB')
  })

app.get('/', (req, res) => {
  res.send('this is root endpoint')
})

app.post('/', (req, res) => {
  console.log(req.body)
  res.send('POST request to the homepage')
})

app.listen(PORT, () => {
  console.log(`Server is running on port ${PORT}`);
});
// server.listen(PORT, () => {
//   console.log(`Server is running on port ${PORT}`);
// });

```

Output in Vs code terminal:

The screenshot shows the VS Code editor interface. The Explorer sidebar on the left displays the project structure, including folders like 'index.js src', 'styles.css src', 'index.html public', 'jokes.js src', 'index.js server', 'db.js server', 'package.json', and 'JOKE THINGY - REACT LAB'. The main editor area shows the 'index.js' file with the following code:

```

7   const connectDB = require('./db');
8
9   // const server = http.createServer((req, res) => {
10  //   res.writeHead(200, { 'Content-Type': 'text/plain' });
11  //   res.end('Hello, Node.js Server!\n');
12  // });
13
14  const PORT = process.env.PORT || 3001;
15  const app = express();
16  app.use(bodyParser.json());
17  app.use(express.json());
18  app.use(express.urlencoded({ extended: false }));
19
20  app.get('/', (req, res) => {
21    connectDB();
22    res.send('connected to Mongo DB')
23  })
24
25  app.get('/', (req, res) => {
26    res.send('this is root endpoint')
27  })
28
29  app.post('/', (req, res) => {
30    console.log(req.body)
31    res.send('POST request to the homepage')
32  })
33
34  app.listen(PORT, () => {
35    console.log(`Server is running on port ${PORT}`);
36  });

```

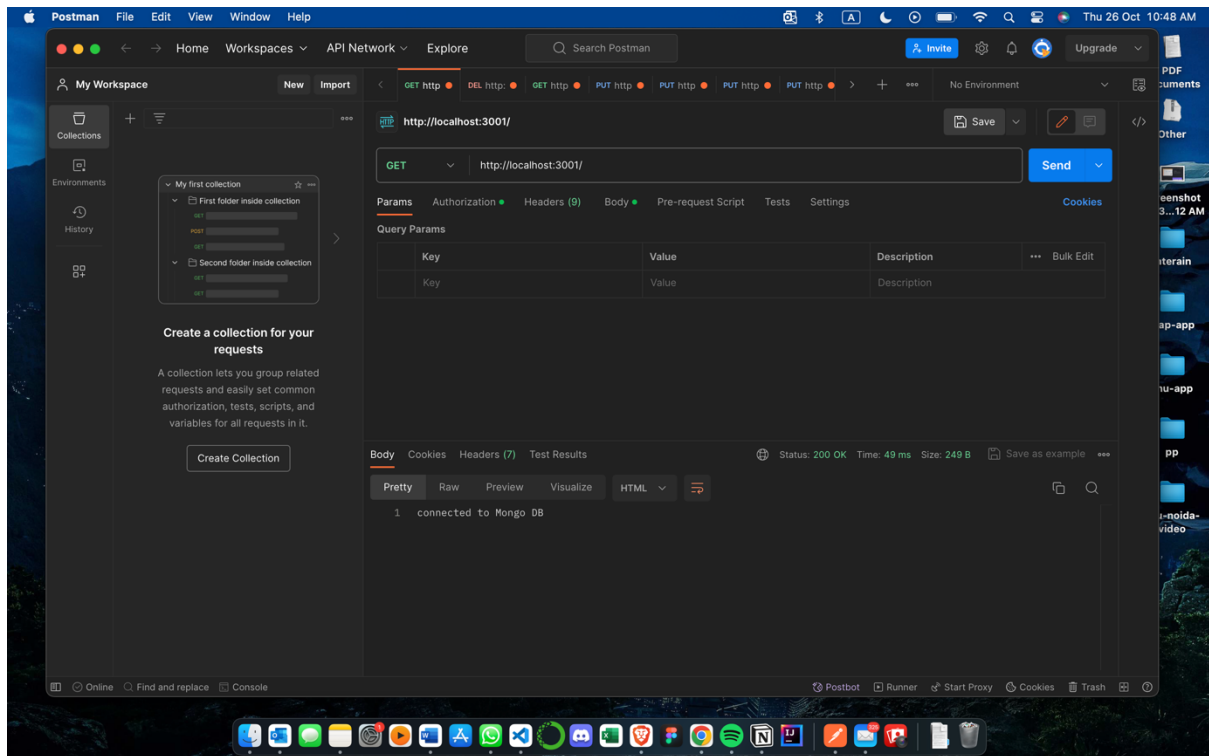
The terminal at the bottom shows the output of running the application:

```

(base) avinashpr@Avinashs-MacBook-Air server % nodemon index.js
[nodemon] 2.0.20
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting 'node index.js'
Server is running on port 3001
MongoDB Connected: ac-e4sitm8-shard-00-02.eqyvgkc.mongodb.net

```

Output for GET in localhost:3000/



```
(base) avinashpr@Avinashs-MacBook-Air server % nodemon index.js
[nodemon] 2.0.20
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node index.js`
Server is running on port 3001
MongoDB Connected: ac-e4sitm8-shard-00-02.eqzygkc.mongodb.net
```