



**Ganpat
University**

॥ विद्यया समाजोत्कर्षः ॥

**Institute of
Computer
Technology**

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Batch:41

-----PRACTICAL 17-----

❖ **Objective:**

To understand the concept of MEAN Stack and connect the database in MongoDB to Angular application.

❖ **Exercise:**

Using MEAN (MongoDB, Express, Angular and Node JS), create a database for employees and using angular components, perform CRUD operations.

➤ **GITHUB LINK : <https://github.com/Tushar007079/FET-PRACTICALS/tree/main/17>**

❖ VS-CODE Screenshot :

```

1  const express = require('express')
2  const path = require('path')
3  const mongoose = require('mongoose')
4  const cors = require('cors')
5  const bodyParser = require('body-parser')
6  // Connecting with mongo db
7  mongoose
8  .connect(['mongodb+srv://tusharp1234:B3mgC040B08ZD16p@cluster0.qt2anvk.mongodb.net/?
  retryWrites=true&w=majority']) //your connection string
9  .then((x) => {
10     console.log('Connected to Mongo! Database name: "${x.connections[0].name}"')
11   })
12   .catch((err) => {
13     console.error('Error connecting to mongo', err.reason)
14   })
15   // Setting up port with express js
16   const employeeRoute = require('../backend/routes/employee.route')
17   const app = express()
18   app.use(bodyParser.json())
19   app.use(

```

❖ Output :

View Employees Add Employee

Name
Lucifer Morningstar

Email
kingofhell@69.com

Designation
Admin

Mobile No
6969696969

REGISTER

View Employees Add Employee

| Employee ID | Name | Email | Designation | Phone No | Update |
|--------------------------|---------------------|-------------------|-------------|------------|---------------------------------------|
| 644ea1dba2211b32b15a1ea5 | Tushar | tushar@gmail.com | HR | 1234 | Edit Delete |
| 644ea2c0a2211b32b15a1eab | James Bond | 007@shoot.bazooka | BDM | 7 | Edit Delete |
| 644ea467a2211b32b15a1eae | Lucifer Morningstar | kingofhell@69.com | Admin | 6969696969 | Edit Delete |

View Employees Add Employee

| Employee ID | Name | Email | Designation | Phone No | Update |
|--------------------------|---------------------|-------------------|-------------|------------|---------------------------------------|
| 644ea2c0a2211b32b15a1eab | James Bond | 007@shoot.bazooka | BDM | 7 | Edit Delete |
| 644ea467a2211b32b15a1eae | Lucifer Morningstar | kingofhell@69.com | Admin | 6969696969 | Edit Delete |

The screenshot shows the MongoDB Atlas web interface. The left sidebar contains navigation links for Deployment, Database, Data Lake, Services, Triggers, Data API, Data Federation, Search, Security, Backup, Database Access, Network Access, Advanced, and Ooto. The main panel is titled 'Find' and displays the following information:

- Storage Size: 36KB, Logical Data Size: 263B, Total Documents: 2, Indexes Total Size: 36KB
- Filter: Type a query: { field: 'value' }
- Buttons: Reset, Apply, More Options
- Query Results: 1-2 OF 2

The query results are displayed as JSON documents:

```

{
  "_id": ObjectId('644ea2c0a2211b32b15a1eab'),
  "name": "James Bond",
  "email": "007@shoot.bazooka",
  "designation": "BDM",
  "phoneNumber": 7,
  "__v": 0
}

{
  "_id": ObjectId('644ea467a2211b32b15a1eae'),
  "name": "Lucifer Morningstar",
  "email": "kingofhell@69.com",
  "designation": "Admin",
  "phoneNumber": 6969696969,
  "__v": 0
}

```

At the bottom, the system status is 'All Good' and the copyright notice is '©2023 MongoDB, Inc. Status Terms Privacy Atlas Blog Contact Sales'.

QUERY RESULTS: 1-2 OF 2



```

_id: ObjectId('644ea2c0a2211b32b15a1eab')
name: "James Bond"
email: "007@shoot.bazooka"
designation: "BDM"
phoneNumber: 7
__v: 0

```

```

_id: ObjectId('644ea467a2211b32b15a1eae')
name: "Lucifer Morningstar"
email: "kingofhell@69.com"
designation: "Admin"
phoneNumber: 6969696969
__v: 0

```