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CLASS-TEIT 10

PRACTICAL :- 3B

❖ index.js

```
const dbConnect = require('./mongodb');

const express = require('express');

const app = express();

app.use(express.json())

// GET API

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

  try {

    const collection = await dbConnect(); // Connect to MongoDB

    const result = await collection.find().toArray(); // Query the collection

    res.send(result); // Send response

  } catch (error) {

    console.error('Error:', error); // Log any errors

    res.status(500).send('Internal Server Error'); // Send a generic error response

  }

});

//post API

app.post('/', async (req, res) => {

  let result = await dbConnect();

  result = await result.insertOne(req.body);

  res.send("Data Inserted Successfully")
```

```

});

//put API

app.put('/:Name',async(req,res)=>{

let result = await dbConnect();

result = await result.updateOne({ name:req.params.name},{ $set:req.body});

res.send("Data updated Successfully")

});

// delete API

app.delete('/:Name',async(req,res)=>{

let result = await dbConnect();

result = await result.deleteOne({ name:req.params.name });

res.send("Data deleted Successfully")

});

const PORT = 3000;

app.listen(PORT, () => {

console.log(`Server is running on http://localhost:${PORT}`);

});

```

❖ DB.js

```

const { MongoClient } = require('mongodb');

const url = "mongodb://localhost:27017";

const database = 'college';

const client = new MongoClient(url, { useUnifiedTopology: true });

const dbConnect = async () => {

try {

```

```
await client.connect(); // Connect to MongoDB

const db = client.db(database); // Select the database

return db.collection('IT'); // Return the collection

} catch (error) {

console.error('Error:', error); // Log any errors

throw error; // Re-throw the error to be handled by the caller

}

};

module.exports = dbConnect;
```