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IoT A
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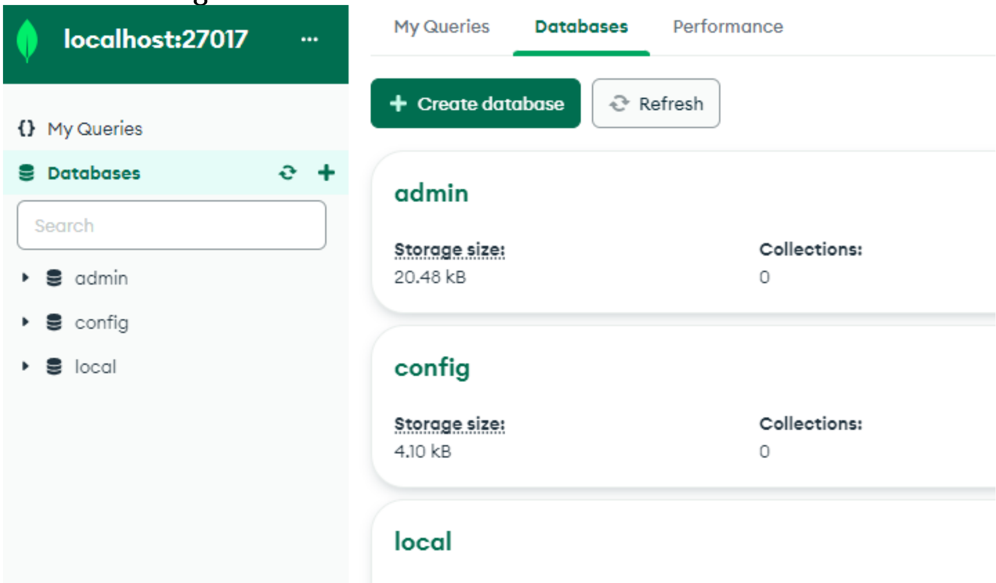
Web Tech Lab 8
REST API using MongoDB, Express and NodeJS

index.js

```
const express = require("express");
const mongoose = require("mongoose");
const app = express();

mongoose.connect("mongodb://localhost:27017/college", {
 useNewUrlParser: true,
 useUnifiedTopology: true
})
.then(() => {
 console.log("Connection successful");
})
.catch((error) => {
 console.error("Error connecting to MongoDB:", error);
});

const userschema = new mongoose.Schema({
 name: String,
 email: String
});

const usermodel = mongoose.model("students", userschema);

// Insert a new document into the "students" collection
const newStudent = new usermodel({
 name: "John Doe",
 email: "john.doe@example.com"
});

newStudent.save()
.then(() => {
 console.log("New student added to the database");
})
.catch((error) => {
 console.error("Error adding new student:", error);
});

app.get("/users", (req, res) => {
 usermodel.find({})
 .then((students) => {
  res.json(students);
 })
 .catch((err) => {
  console.log(err);
  res.status(500).json({ error: "Internal server error" });
 });
});

app.listen(3000, () => {
 console.log("Server listening on port 3000");
});
```

outputs:
before running

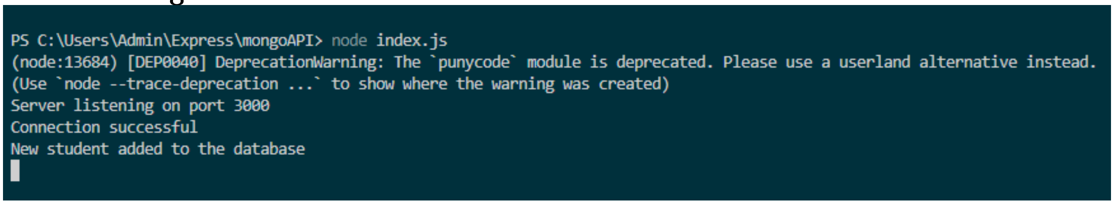


admin
Storage size: 20.48 kB
Collections: 0

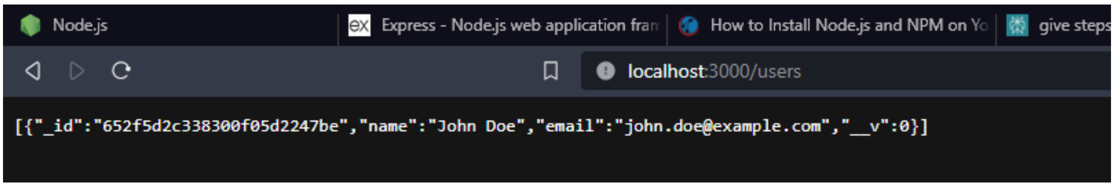
config
Storage size: 4.10 kB
Collections: 0

local

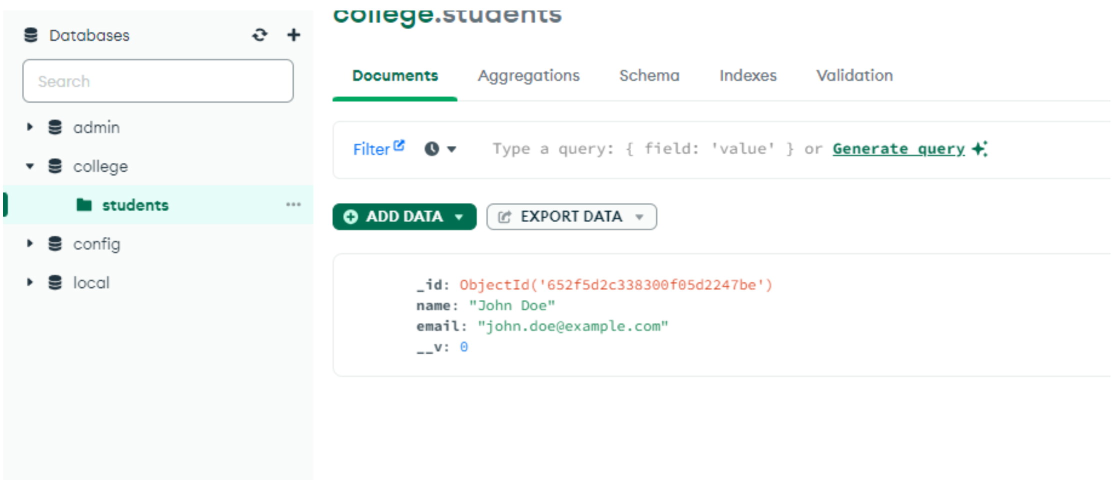
after running:



```
PS C:\Users\Admin\Express\mongoAPI> node index.js
(node:13684) [DEP0040] DeprecationWarning: The `punycode` module is deprecated. Please use a userland alternative instead.
(Use `node --trace-deprecation ...` to show where the warning was created)
Server listening on port 3000
Connection successful
New student added to the database
```


Node.js
Express - Node.js web application fran
How to Install Node.js and NPM on Yo
give steps
localhost:3000/users

[{"_id":"652f5d2c338300f05d2247be","name":"John Doe","email":"john.doe@example.com","__v":0}]



```
_id: ObjectId('652f5d2c338300f05d2247be')
name: "John Doe"
email: "john.doe@example.com"
__v: 0
```