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

index.js

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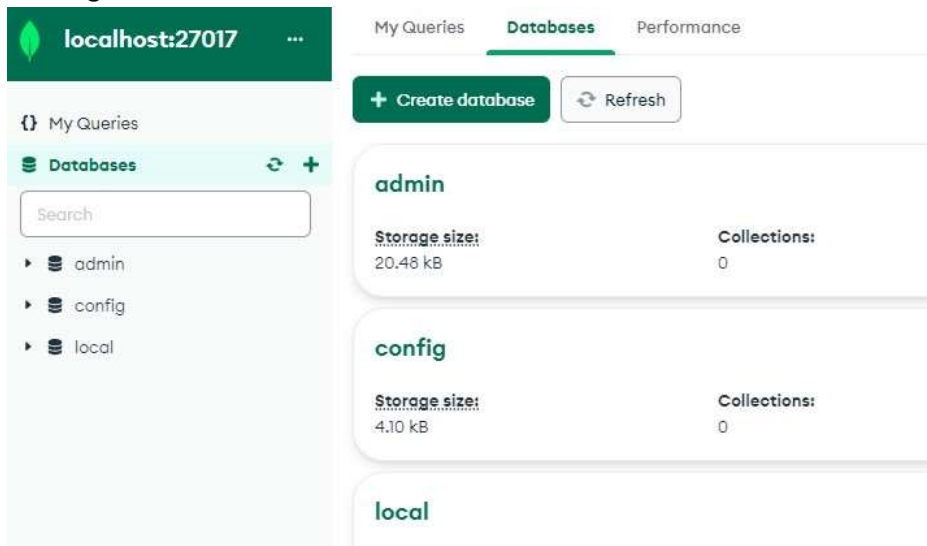
```
app.listen(3000, () => {
 console.log("Server listening on port 3000");
});
```

outputs: before
running



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    ex Express - Node.js web application fram    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}]
```