

LA8: Building a REST API with Express, Node, and MongoDB Assignment

server.js

```
const express = require('express')
const mongoose = require('mongoose')
const url =
'mongodb+srv://hariiajkrishnan:4WTFJnSQyp06wvmU@cluster0.mbfwgca.mongodb.net/'

const app = express()

mongoose.connect(url, { useNewUrlParser: true })
const con = mongoose.connection

con.on('open', () => {
  console.log('connected...')
})

app.use(express.urlencoded({ extended: false }));
app.use(express.json())

const studentsRouter = require('./routes/students')
app.use('/students', studentsRouter)

app.listen(9000, () => {
  console.log('Server started')
})
```

Student Model

```
const mongoose = require('mongoose')

const studentSchema = new mongoose.Schema({

  name: {
    type: String,
    required: true
  },
  tech: {
    type: String,
    required: true
  },
  sub: {
    type: String,
    required: true,
  }
})
```

```
}}
```

```
module.exports = mongoose.model('Student', studentSchema)
```

Router

```
const express = require('express')
const router = express.Router()
const Student = require('../models/student')

router.get('/', async (req, res) => {
  try {
    const students = await Student.find()
    res.json(students)
  } catch (err) {
    res.send('Error ' + err)
  }
})

router.get('/:id', async (req, res) => {
  try {
    const student = await Student.findById(req.params.id)
    res.json(student)
  } catch (err) {
    res.send('Error ' + err)
  }
})

router.post('/', async (req, res) => {
  console.log(req.body.name);

  try {
    const student = await Student.create({
      name: req.body.name,
      tech: req.body.tech,
      sub: req.body.sub
    });

    res.json(student)
  } catch (err) {
    res.send('Error')
  }
})
```

```
module.exports = router
```

HTTP **http://localhost:9000/students**

POST **http://localhost:9000/students**

Params Authorization Headers (8) **Body** Pre-request Script

☐ none ☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

<input checked="" type="checkbox"/>	name	hari
<input checked="" type="checkbox"/>	tech	cse
<input checked="" type="checkbox"/>	sub	webtech

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "_id": "6530ce148fdea32c3802145b",
3   "name": "hari",
4   "tech": "cse",
5   "sub": "webtech",
6   "__v": 0
7 }
```