

## WEB TECH LAB-8

Name: C V Prashannaa

Roll no:21011102027

```
Server.js const express = require('express') const mongoose =
require('mongoose') const Product =
require('./models/productModel') const app = express()
app.use(express.json())
app.use(express.urlencoded({extended: false}))
//routes app.get('/', (req, res) => {
res.send('Hello NODE API')
}) app.get('/blog', (req, res) => { res.send('Hello Blog, My
name is Devtamin')
}) app.get('/products', async(req, res) => { try { const
products = await Product.find({});
res.status(200).json(products);
} catch (error) { res.status(500).json({message: error.message})
} }) app.get('/products/:id', async(req, res) =>{ try { const
{id} = req.params; const product = await
Product.findById(id); res.status(200).json(product);
} catch (error) { res.status(500).json({message: error.message})
} }) app.post('/products', async(req, res) => { try {
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const product = await Product.create(req.body) res.status(200).json(product);

} catch (error) { console.log(error.message);
res.status(500).json({message: error.message})
}
})
// update a product app.put('/products/:id', async(req, res) => { try { const {id} =
req.params; const product = await Product.findByIdAndUpdate(id, req.body);
// we cannot find any product in database if(!product){ return
res.status(404).json({message: `cannot find any product with ID ${id}`})
} const updatedProduct = await Product.findById(id);
res.status(200).json(updatedProduct);

} catch (error) { res.status(500).json({message: error.message})
}
})
// delete a product
app.delete('/products/:id', async(req, res) =>{ try {
const {id} = req.params;
const product = await Product.findByIdAndDelete(id); if(!product){
return res.status(404).json({message: `cannot find any product with ID ${id}`})
}
res.status(200).json(product);

} catch (error) {
res.status(500).json({message: error.message})
}
}

```



```

}) mongoose.set("strictQuery", false)
mongoose.
connect('mongodb+srv://admin:12345678Admin@devtaminapi.zpnc-stm.mongodb.net/Node-
API?retryWrites=true&w=majority')
.then(() => { console.log('connected to MongoDB') app.listen(3000,
()=> { console.log(`Node API app is running on port 3000`)
});
}).catch((error) => { console.log(error)
}) productModel.js const mongoose =
require('mongoose') const productSchema =
mongoose.Schema(
  { name: { type: String, required: [true, "Please enter a product
name"]
}, quantity: { type:
Number, required:
true, default: 0
}, price: { type:
Number, required:
true,
}, image: { type:
String, required: false,
}
}, {
timestamps: true
}
)

```

```
const Product = mongoose.model('Product', productSchema); module.exports = Product;
```