# 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}))

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

    res.send('hello node API');

})

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

    res.send('hello i am coder');

})

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.finallyById(id);

        res.status(200).json(products);

    } catch (error) {

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

    }

})

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

    try {

        const product = await Product.create(req.body);

        res.status(200).json(products);

    } catch (error) {

        console.log(error.message);

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

    }

})

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

    try {

        const {id} = req.params;

        const product = await Product.finallyByIdAndUpdate(id, req.body, { new:true});

        if(!product){

            return res.status(404).json({message: `cannot find any product with this id ${id}`})

        }

        const updateProduct = await Product.findById(id);

        res.status(200).json(products);

    } catch (error) {

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

    }

})

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

    try {

        const {id} = req.params;

        const product = await Product.finallyByIdAndDelete(id, req.body, { new:true});

        if(!product){

            return res.status(404).json({message: `cannot find any product with this id ${id}`})

        }

        const updateProduct = await Product.findById(id);

        res.status(200).json(products);

    } catch (error) {

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

    }

})

mongoose.connect(``)

.then(() => {

    console.log(`connected`)

    app.listen(3000, () => {

        console.log("Server started on 3000");

    })

}).catch((error) => {

    console.log(error)

})

# productModel.js

const mongoose = require('mongoose')

const productSchema = mongoose.Schema(

    {

        name: {

            type : String,

            required : [true , " Kindly enter a product name "]

        },

        quantity: {

            type : Number,

            required : [true , " You need to enter the quantity "],

            default:0,

        },

        price: {

            type : Number,

            required : true

        },

        image: {

            type : String,

            required : false

        }

    },

    {

        timestamps: true,

    }

)

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

module.exports = Product;