**Slip 6**

**Q1 Develop an Express.js application that defines routes for Create and Read**

**operations**

**on a resource (products).**

const express = require('express');

const bodyParser = require('body-parser');

const app = express();

const PORT = 3000;

// Middleware for parsing JSON bodies

app.use(bodyParser.json());

// In-memory "database" to store users

let users = [];

// Create a new user (Create)

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

const { name, price} = req.body;

const newProducts = { id: users.length + 1, name, email };

users.push(newProducts);

res.status(201).json(newProducts);

});

// Read all users (Read)

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

res.json(products);

});

// Read a single user by ID (Read)

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

const productsid= parseInt(req.params.id, 10);

const product= products.find(u => u.id === products);

if (!user) {

return res.status(404).json({ message: 'User not found' });

}

res.json(user);

});

// Start the server

app.listen(PORT, () => {

console.log(`Server is running on http://localhost:${PORT}`);

});

**Q2 find a company with a workforce greater than 30 in the array. used find by**

**id method**

interface Company {

name: string;

desc: string;

workForce: number;

}

const companies: Company[] = [

{ name: "GeeksforGeeks", desc: "A Computer Science Portal.", workForce: 200 },

{ name: "Company 2", desc: "Description 1", workForce: 30 },

{ name: "Company 3", desc: "Description 2", workForce: 10 },

];

const matchedCompany = companies.find(company => company.workForce > 30);

console.log(matchedCompany);