FULL STACK

PRACTICE EXP 4

PRACTICE 1

**Title**

CLI Employee Management System Using Node.js and Arrays

const readline = require("readline");

const rl = readline.createInterface({

  input: process.stdin,

  output: process.stdout

});

// Employee data stored in array

let employees = [

  { id: "E101", name: "Alice" },

  { id: "E102", name: "Bob" }

];

// Function to show menu

function showMenu() {

  console.log("\nEmployee Management System");

  console.log("1. Add Employee");

  console.log("2. List Employees");

  console.log("3. Remove Employee");

  console.log("4. Exit");

  rl.question("Enter your choice: ", (choice) => {

    switch (choice) {

      case "1":

        addEmployee();

        break;

      case "2":

        listEmployees();

        break;

      case "3":

        removeEmployee();

        break;

      case "4":

        console.log("Exiting...");

        rl.close();

        break;

      default:

        console.log("Invalid choice. Try again.");

        showMenu();

    }

  });

}

function addEmployee() {

  rl.question("Enter Employee ID: ", (id) => {

    rl.question("Enter Employee Name: ", (name) => {

      employees.push({ id, name });

      console.log(`Employee ${name} (ID: ${id}) added successfully.`);

      showMenu();

    });

  });

}

function listEmployees() {

  if (employees.length === 0) {

    console.log("No employees found.");

  } else {

    console.log("\nEmployee List:");

    employees.forEach((emp, index) => {

      console.log(`${index + 1}. ${emp.name} (ID: ${emp.id})`);

    });

  }

  showMenu();

}

function removeEmployee() {

  rl.question("Enter employee ID to remove: ", (id) => {

    const index = employees.findIndex(emp => emp.id === id);

    if (index !== -1) {

      const removed = employees.splice(index, 1)[0];

      console.log(`Employee ${removed.name} (ID: ${removed.id}) removed successfully.`);

    } else {

      console.log("Employee not found.");

    }

    showMenu();

  });

}

showMenu();

