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CLASS	607-B

NodeJs PRACTICE – 1

CODE

```
// employeeCLI.js
const readline = require('readline');

// Store employees in an array
let employees = [];

// Create readline interface
const rl = readline.createInterface({
  input: process.stdin,
  output: process.stdout
});

// Show the main menu
function showMenu() {
  console.log(
    '--- Employee Management System ---\n'
    '1. Add Employee\n'
    '2. List Employees\n'
    '3. Remove Employee\n'
    '4. Exit\n'
  );
  rl.question('Choose an option: ', handleMenu);
}


```

```

// Handle menu choices
function handleMenu(choice) {
    switch (choice.trim()) {
        case '1':
            addEmployee();
            break;
        case '2':
            listEmployees();
            break;
        case '3':
            removeEmployee();
            break;
        case '4':
            console.log('Exiting program...!');
            rl.close();
            break;
        default:
            console.log('Invalid choice. Try again.');
            showMenu();
    }
}

// Add a new employee
function addEmployee() {
    rl.question('Enter Employee Name: ', (name) => {
        rl.question('Enter Employee ID: ', (id) => {
            // Check if ID already exists
            if (employees.some(emp => emp.id === id)) {
                console.log('Employee ID already exists!');
            } else {
                employees.push({ id, name });
                console.log(`Employee ${name} added successfully.`);
            }
            showMenu();
        });
    });
}

// List all employees
function listEmployees() {
    if (employees.length === 0) {
        console.log('No employees found.');
    } else {
        console.log('\nCurrent Employees:');
        employees.forEach(emp => {
            console.log(`ID: ${emp.id}, Name: ${emp.name}`);
        });
    }
}

```

```

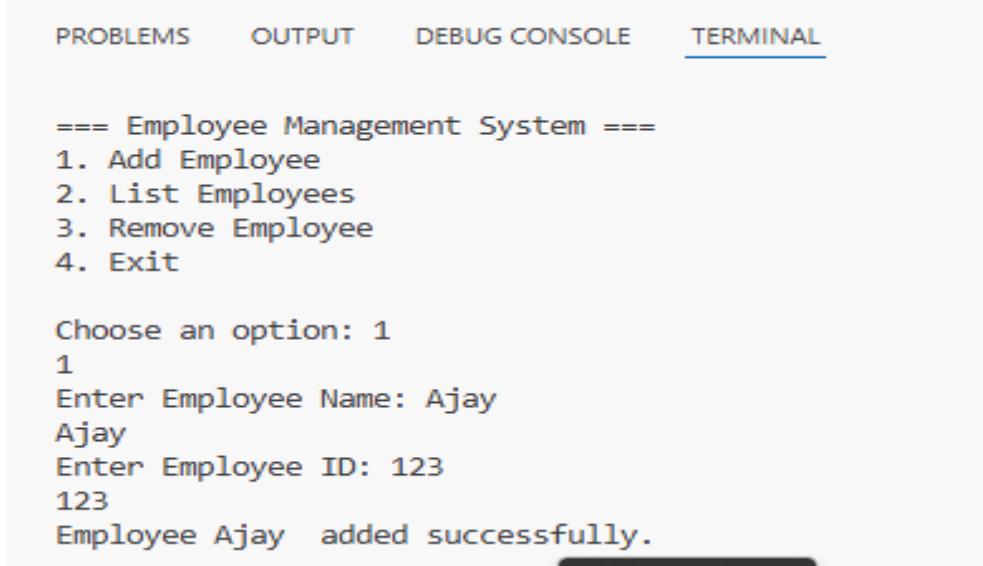
    });
}
showMenu();
}

// Remove employee by ID
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);
      console.log(`Employee ${removed[0].name} removed successfully.`);
    } else {
      console.log('Employee ID not found.');
    }
    showMenu();
  });
}

// Start the app
showMenu();

```

□ OUTPUT



PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```

==== Employee Management System ====
1. Add Employee
2. List Employees
3. Remove Employee
4. Exit

Choose an option: 1
1
Enter Employee Name: Ajay
Ajay
Enter Employee ID: 123
123
Employee Ajay added successfully.

```

```
==== Employee Management System ====
1. Add Employee
2. List Employees
3. Remove Employee
4. Exit
```

```
Choose an option: 1
```

```
1
```

```
Enter Employee Name: Aman
```

```
Aman
```

```
Enter Employee ID: 456
```

```
456
```

```
Employee Aman added successfully.
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

```
==== Employee Management System ====
1. Add Employee
2. List Employees
3. Remove Employee
4. Exit
```

```
Choose an option: 2
```

```
2
```

```
Current Employees:
```

```
ID: 123, Name: Ajay
```

```
ID: 456, Name: Aman
```

```
==== Employee Management System ====
1. Add Employee
2. List Employees
3. Remove Employee
4. Exit
```

```
Choose an option: 3
```

```
3
```

```
Enter Employee ID to remove: 123
```

```
123
```

```
Employee Ajay removed successfully.
```

```
==== Employee Management System ====

```

