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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 ===
    1. Add Employee
    2. List Employees
    3. Remove Employee
    4. Exit
  );
  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();
}

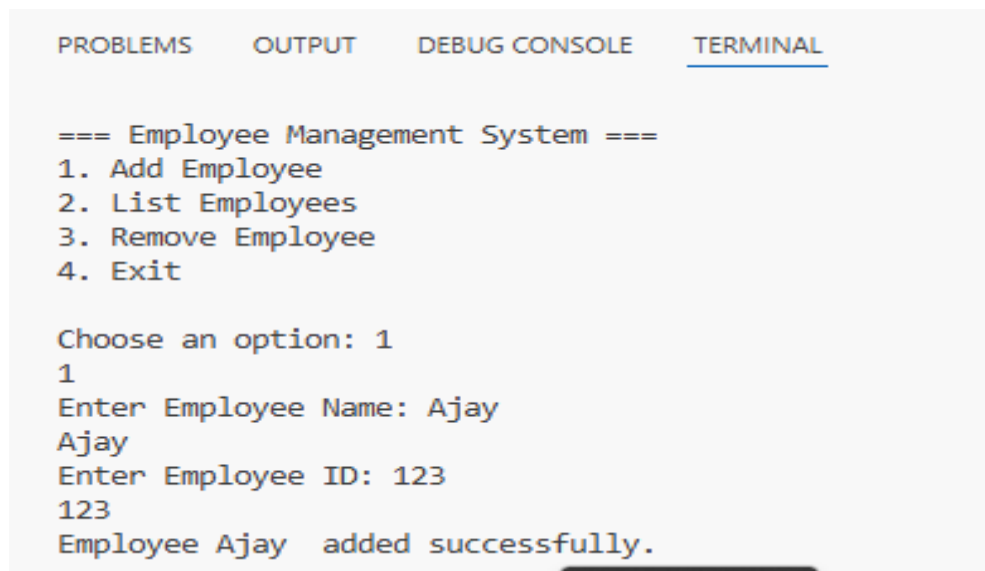
// Remove employee by ID
function removeEmployee() {
  rl.question('Enter Employee ID to remove: ', (id) => {
    const index = employees.findIndex(emp => emp.id === id);
    if (index !== -1) {
      const removed = employees.splice(index, 1);
      console.log(`Employee ${removed[0].name} removed successfully.`);
    } 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 ===
```

