

# EMPLOYEE DATABASE PROBLEM

```
import java.util.ArrayList;
```

```
import java.util.Scanner;
```

```
class Employee {
```

```
    private String name;
```

```
    private int id;
```

```
    private String position;
```

```
    public Employee(String name, int id, String position) {
```

```
        this.name = name;
```

```
        this.id = id;
```

```
        this.position = position;
```

```
    }
```

```
    public String getName() {
```

```
        return name;
```

```
    }
```

```
    public int getId() {
```

```
        return id;
```

```
    }
```

```
    public String getPosition() {
```

```
        return position;
```

```
    }
```

```

@Override

public String toString() {
    return "Employee ID: " + id + ", Name: " + name + ", Position: " + position;
}
}

```

```

class EmployeeDatabase {
    private ArrayList<Employee> employees;

    public EmployeeDatabase() {
        employees = new ArrayList<>();
    }

    public void addEmployee(Employee employee) {
        employees.add(employee);
    }

    public void displayEmployees() {
        for (Employee employee : employees) {
            System.out.println(employee);
        }
    }
}

```

```

public class EmployeeDatabaseGame {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        EmployeeDatabase database = new EmployeeDatabase();

        while (true) {

```

```

        System.out.println("1. Add Employee");
        System.out.println("2. Display Employees");
        System.out.println("3. Exit");
        System.out.print("Choose an option: ");
        int choice = scanner.nextInt();
        scanner.nextLine(); // Consume newline

        if (choice == 1) {
            System.out.print("Enter Employee Name: ");
            String name = scanner.nextLine();
            System.out.print("Enter Employee ID: ");
            int id = scanner.nextInt();
            scanner.nextLine(); // Consume newline
            System.out.print("Enter Employee Position: ");
            String position = scanner.nextLine();
            database.addEmployee(new Employee(name, id, position));
        } else if (choice == 2) {
            database.displayEmployees();
        } else if (choice == 3) {
            break;
        } else {
            System.out.println("Invalid option. Please try again.");
        }
    }

    scanner.close();
}
}

```

OUTPUT:

```
java -cp /tmp/gb0K3IM35L7/EmployeeDatabaseGame
1. Add Employee
2. Display Employees
3. Exit
Choose an option: 1
Enter Employee Name: srikanth
Enter Employee ID: 9
Enter Employee Position: 10
1. Add Employee
2. Display Employees
3. Exit
Choose an option: 10
Invalid option. Please try again.
1. Add Employee
2. Display Employees
3. Exit
Choose an option: 2
Employee ID: 9, Name: srikanth, Position: 10
1. Add Employee
2. Display Employees
3. Exit
Choose an option: 3

=== Code Execution Successful ===
```