

You are building an organizational hierarchy system where employees can be either individual contributors or managers. Managers can manage other employees (individual contributors or other managers). Implement this using the Composite Design Pattern.

- a. EmployeeComponent : Define an interface or abstract class that represents both individual contributors and managers. It should include methods like getName(), getRole(), and displayDetails().
- b. IndividualContributor: Represents an individual employee. It implements the EmployeeComponent interface.
- c. Manager (Composite): Represents a manager who can manage other employees. It maintains a list of child components (individual contributors or other managers).
- d. Client: Create a sample organizational structure with individual contributors and managers, and demonstrate how it works.