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Employee.java
4 public class Employee {
     private String name;
      private String dept;
      private int salary;
      private List<Employee> subordinates;
      public Employee(String name, String dept, int salary)
          this.name = name;
          this.dept = dept;
          this.salary = salary;
          subordinates = new ArrayList<Employee>();
      public void add (Employee curr)
          subordinates.add(curr);
      public void remove (Employee curr)
          subordinates.remove(curr);
      public List<Employee> getSubordinates()
          return subordinates;
      public String toString()
          return ("Employee : [Name : " + name + ", dept : " + dept + ", salary : " + salary + "]");
38 }
```

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  public class CompositePatternDemo {
      public static void main(String[] args)
          Employee CEO = new Employee("John", "CEO", 30000);
          Employee headSales = new Employee("Robert", "Head Sales", 20000);
          Employee headMarketing = new Employee("Michel", "Head Marketing", 20000);
          Employee clerk1 = new Employee("Laura", "Marketing", 10000);
          Employee clerk2 = new Employee("Bob", "Marketing", 10000);
          Employee saleExecuting1 = new Employee("Richard", "Sales", 10000);
          Employee saleExecuting2 = new Employee("Rob", "Sales", 10000);
          CEO.add(headSales);
          CEO.add(headMarketing);
          headSales.add(saleExecuting1);
          headSales.add(saleExecuting2);
          headMarketing.add(clerk1);
          headMarketing.add(clerk2);
          System.out.println(CEO);
          for(Employee headEmployee : CEO.getSubordinates())
               System.out.println(headEmployee);
               for(Employee employee : headEmployee.getSubordinates())
                  System.out.println(employee);
       }
27 }
```

UML

