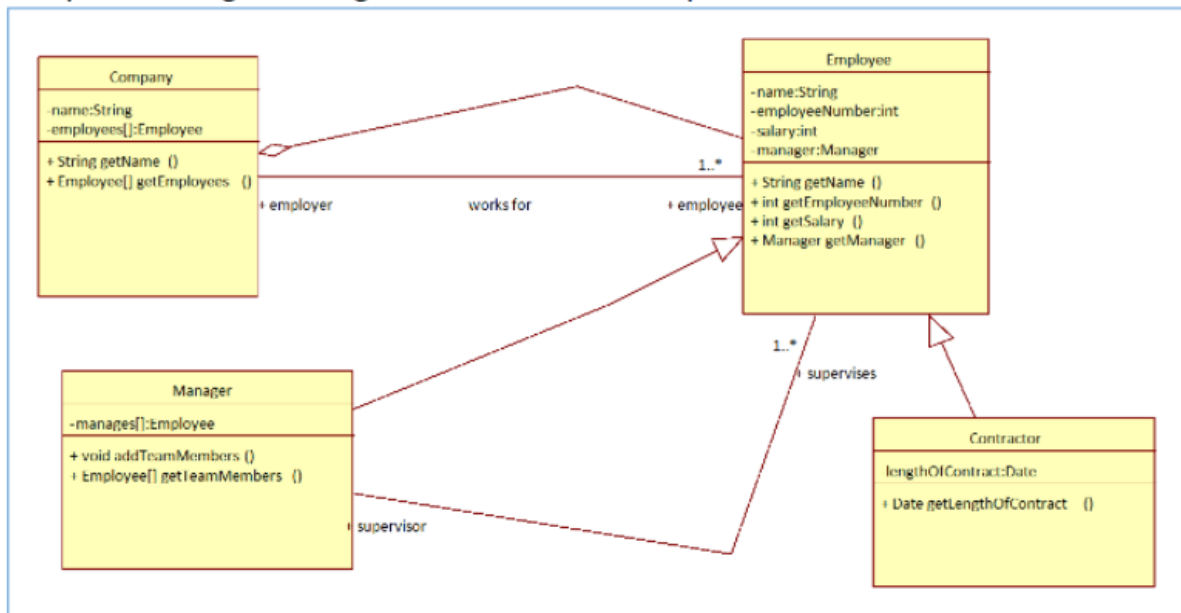


Design and implement applications using basic OOP paradigms.

Analyze following class diagram and answer below questions.



a) Identify the classes?

Class names in the above Class Diagram are:

- >Company
- >Employee
- >Manager
- >Contractor

b) Identify the relationships between each classes?

The relationship between the classes Company and Employee is a association i.e one or more than one employee works for a company. And the class Employee works for the class Company, so it is mentioned as aggregation in between them with the diamond pointed towards Company class.

The Manager class has generalization/Inheritance from the Employee class i.e Manager is also a employee and inherits the employee class. There is also a association relationship between the manager and employee classes i.e the manager is the supervisor and supervises one or more than one employee of the company.

The Contractor class has a generalization/Inheritance relationship with the employee class.

c) Identify the attributes and methods?

<u>CLASS</u>	<u>ATTRIBUTES</u>	<u>METHODS</u>
Company	Name Employees	getName() getEmployees()
Employee	Name EmployeeNumber Salary Manager	getName() employeeNumber() getSalary() getManager()
Manager	Manages	addTeamMembers() getTeamMembers()
Contractor	LengthOfContract	getLengthOfContract()