

Create class Employee with below attributes:

empId
empName
city

Create class EmployeeDemo with main method. This Class EmployeeDemo will have following two methods:

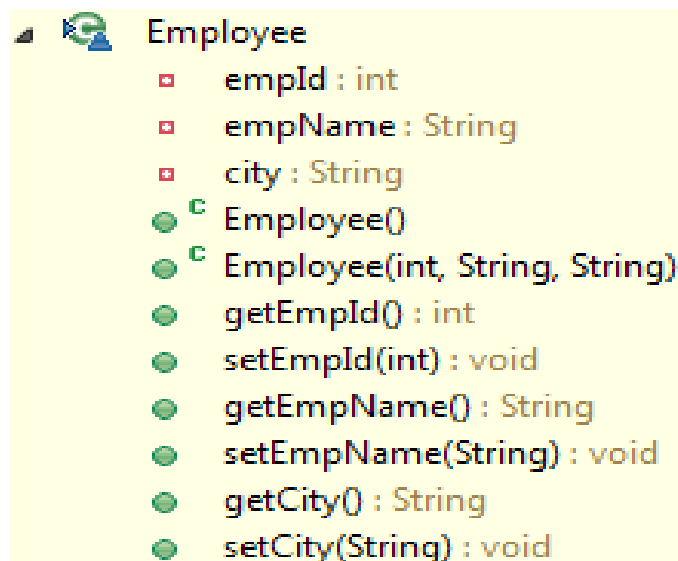
1. searchEmployee

This method will take an ArrayList of Employee Class Objects as its first parameter and a single Employee Object as its second parameter. The method will search if the Employee Object is present in the ArrayList of Employees or not based on empId. If it is present, the method will return **true** else the method will return **false**.

2. getEmployees

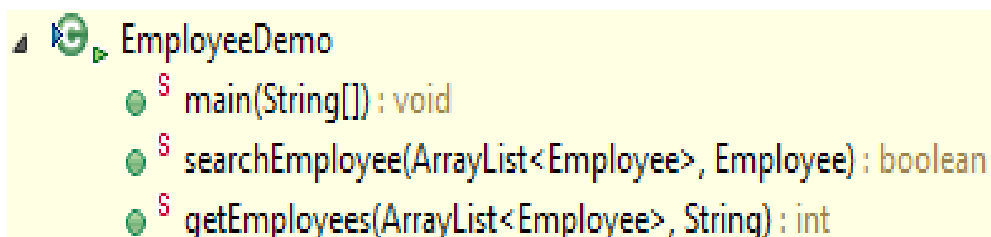
This method will an ArrayList of Employee Class Objects as its first parameter and a name of City of String datatype as its second parameter. The method will **count** the number of employees in the ArrayList belonging to this city. The method returns **0**, if no employee in the ArrayList belong to the given city else returns the count of the number of employees in the ArrayList belonging to this city.

Follow class outline diagram as given below. Ensure class attributes are private and other methods are public. Use package “com” to build your solution.



```
classDiagram
    class Employee {
        empId : int
        empName : String
        city : String
        Employee()
        Employee(int, String, String)
        getEmpId() : int
        setEmpId(int) : void
        getEmpName() : String
        setEmpName(String) : void
        getCity() : String
        setCity(String) : void
    }
```

The diagram shows the Employee class with three private attributes: empId (int), empName (String), and city (String). It has two constructors: a default constructor Employee() and a parameterized constructor Employee(int, String, String). It also has nine public methods: getEmpId() (int), setEmpId(int) (void), getEmpName() (String), setEmpName(String) (void), getCity() (String), and setCity(String) (void).



```
classDiagram
    class EmployeeDemo {
        main(String[]) : void
        searchEmployee(ArrayList<Employee>, Employee) : boolean
        getEmployees(ArrayList<Employee>, String) : int
    }
```

The diagram shows the EmployeeDemo class with three public methods: main(String[]) (void), searchEmployee(ArrayList<Employee>, Employee) (boolean), and getEmployees(ArrayList<Employee>, String) (int).