Create package com

Create a class Employee with below attributes:

Int – empId
String – empName
Double – salary
String - grade
String – location

Make all the attributes private. Create corresponding getters and setters.
Create a constructor which takes all parameters in the above sequence. The constructor should set the value of attributes to parameter values inside the constructor.

Create a class EmployeeDemo with below methods.

- ⑩ Create a static method incrementSalaryofEmployees which takes array of Employee objects as input parameter. It will increment the salary of the Employees based on below Grade criteria:

ASE – 3% increment
SE – 5% increment
ITA – 7% increment
AST – 9% increment

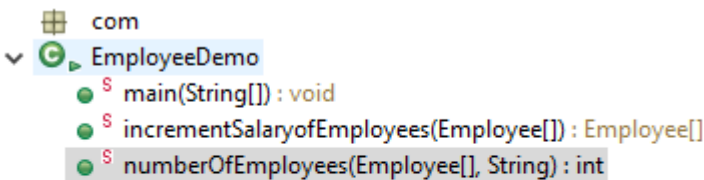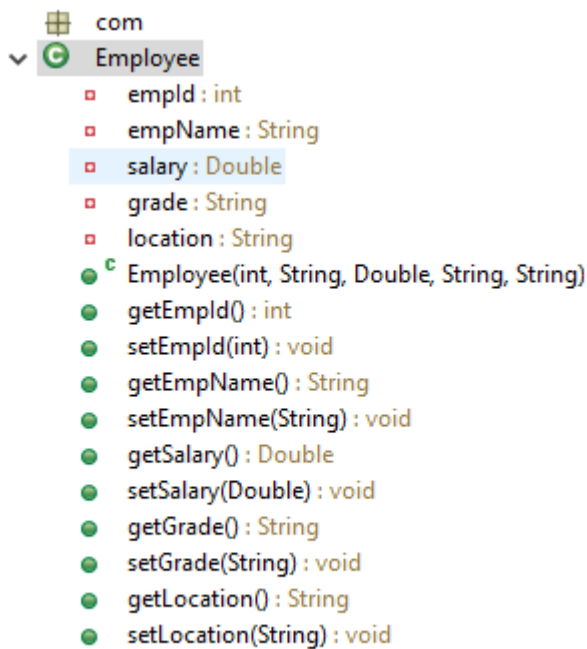Method will then return the Array of Customers with updated salary.

- ⑩ Create a static method numberOfEmployees which takes array of Employee objects and location as input parameter. It will return the integer ie. Number of Employees present in the passed location.

Please ensure that class names, attribute names, method signature etc. is same as below. Else your code will fail and score would be zero.

Refer below sample main method and test the output. You can copy the same code in main method and test the implementation.

Next submit the code in iASCERT for evaluation. Also, upload the code in iON assignment activity.

Consider below image to refer exact class and method templates

```
com
Employee
    empld : int
    empName : String
    salary : Double
    grade : String
    location : String
    Employee(int, String, Double, String, String)
    getEmpld() : int
    setEmpld(int) : void
    getEmpName() : String
    setEmpName(String) : void
    getSalary() : Double
    setSalary(Double) : void
    getGrade() : String
    setGrade(String) : void
    getLocation() : String
    setLocation(String) : void


com
EmployeeDemo
    main(String[]) : void
    incrementSalaryofEmployees(Employee[]) : Employee[]
    numberOfEmployees(Employee[], String) : int
```

Sample main method:

```java
public static void main(String[] args) {

        Employee e1 = new Employee(1, "abc", 20000.00, "AST", "MUM");
        Employee e2 = new Employee(2, "def", 25000.50, "ITA", "DEL");
        Employee e3 = new Employee(3, "ghi", 30000.00, "ITA", "MUM");
        Employee e4 = new Employee(4, "jkl", 27000.00, "ASE", "CHN");
        Employee e5 = new Employee(5, "mno", 53000.00, "SE", "HYD");

        Employee[] emps = { e1, e2, e3, e4, e5 };

        Employee withupdatedSalary[] = EmployeeDemo.incrementSalaryofEmployees(emps);

        for (Employee newEmpl : withupdatedSalary) {
                System.out.println(newEmpl.getEmpld() + " " + newEmpl.getEmpName() + " " +
newEmpl.getGrade() + " "
                                        + newEmpl.getLocation() + " Updated Salary: " +
newEmpl.getSalary());
                }

        int empcount = numberOfEmployees(emps, "MUM");
        System.out.println("Number of Employees in Mumbai location is " + empcount);

    }
```

Output:

```
1 abc AST MUM Updated Salary: 38000.0
2 def ITA DEL Updated Salary: 42500.85
3 ghi ITA MUM Updated Salary: 51000.0
4 jkl ASE CHN Updated Salary: 35100.0
5 mno SE HYD Updated Salary: 79500.0
Number of Employees in Mumbai location is 2
```