

Company.java

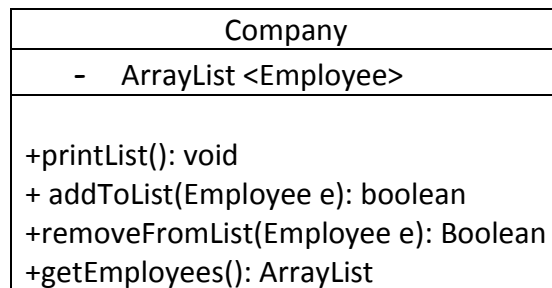
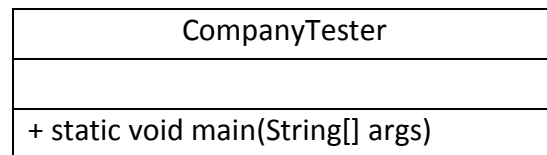
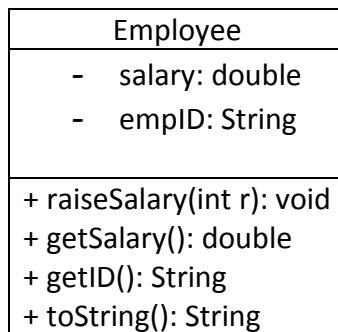
Employee.java

CompanyTester.jav

Person.java

CompanyTester.txt

Below are the UML diagrams for the classes **Employee** and **Company**. Write the code for class Employee and Company based on the diagrams. An employee is a child of Person and has a salary and empID (String). Create an **Employee class that inherits from Person**. The full constructor should include the salary. Include a method to raise the employee's salary by a percentage amount. Be sure to modify toString to include new information. A Company class uses an ArrayList to store references to Employee objects. It has a constructor that takes no arguments and instantiates an ArrayList to hold Employees. It has a printList method that iterates through a list, printing each Employee's full name, address, phone and salary. addToList and removeFromList methods take Employee references as arguments and either append the object to the end of the list or removes a specified object from the list. **Create a test program named CompanyTester .**



Here is the Person Class

```
class Person
{
    private String name, address, phone;

    public Person(String n, String a, String p)
    {
        name = n;
        address = a;
        phone = p;
    }

    public String getName() {return name;}
    public String getAddress() {return address;}
    public String getPhone() {return phone;}
    public void setName(String n) {name=n;}
    public void setAddress(String a) {address=a;}
    public void setPhone(String p) {phone = p;}
}
```

```

    public boolean equals(Person x)
    {
        return name.equals(x.name) &&
            address.equals(x.address) &&
            phone.equals(x.phone);
    }

    public String toString()
    {
        return "Name:"+name+"\nAddress:"+address+"\nPhone:"+phone;
    }
}

```

In your test program read from a file that will have the following information

Bob Sanders
 1234 Worthington, Katy, TX 77494
 (281)555-5236
 1005
 56000
Linda Blair
 666 Devil Path, Washington, DC 00154
 (666)743-4377
 2900
 425000
Anikan Skywalker
 345 Lucas Road, Los Angeles, CA 95985
 (417)743-3542
 3202
 159000
 Max Rockentansky
 4 Fury Road, Melbourne, AU 21-45781
 8-25-(123)478-8886
 2500
 75000

Print on a separate line, employee ID and Salary
 Add employee 2501 with salary 25000
 If an employee makes more than \$100000, raise salary by 5%
 If an employee makes between 50000 and 100000, raise salary by 4%
 Otherwise, raise salary by 3%
 Print on a separate line, employee ID and new salary
 Remove employee 2900 from company
 Print new employee list

The Output

List of company employees
 Name:Bob Sanders
 Address:1234 Worthington, Katy, TX 77494
 Phone:(281)555-5236
 Employee:1005
 Salary:56000.0

Name:Linda Blair
Address:666 Devil Path, Washington,DC 00154
Phone:(666)743-4377
Employee:2900
Salary:425000.0

Name:Anikan Skywalker
Address:345 Lucas Road, Los Angeles, CA 95985
Phone:(417)743-3542
Employee:3202
Salary:159000.0

Name:Max Rockentansky
Address:4 Fury Road, Melbourne, AU 21-45781
Phone:8-25-(123)478-8886
Employee:2500
Salary:75000.0

List of company employees after hiring
Name:Bob Sanders
Address:1234 Worthington, Katy,TX 77494
Phone:(281)555-5236
Employee:1005
Salary:56000.0

Name:Linda Blair
Address:666 Devil Path, Washington,DC 00154
Phone:(666)743-4377
Employee:2900
Salary:425000.0

Name:Anikan Skywalker
Address:345 Lucas Road, Los Angeles, CA 95985
Phone:(417)743-3542
Employee:3202
Salary:159000.0

Name:Max Rockentansky
Address:4 Fury Road, Melbourne, AU 21-45781
Phone:8-25-(123)478-8886
Employee:2500
Salary:75000.0

Name:Bob Cratchett
Address:777 Christmas St, London, UK 1-4587
Phone:8-2-(238)433-8871
Employee:2501
Salary:25000.0

Salary after raise
Name:Bob Sanders
Address:1234 Worthington, Katy,TX 77494
Phone:(281)555-5236
Employee:1005

Salary:58240.0

Name:Linda Blair
Address:666 Devil Path, Washington,DC 00154
Phone:(666)743-4377
Employee:2900
Salary:446250.0

Name:Anikan Skywalker
Address:345 Lucas Road, Los Angeles, CA 95985
Phone:(417)743-3542
Employee:3202
Salary:166950.0

Name:Max Rockentansky
Address:4 Fury Road, Melbourne, AU 21-45781
Phone:8-25-(123)478-8886
Employee:2500
Salary:78000.0

Name:Bob Cratchett
Address:777 Christmas St, London, UK 1-4587
Phone:8-2-(238)433-8871
Employee:2501
Salary:25750.0

List of employees after firings

Name:Bob Sanders
Address:1234 Worthington, Katy,TX 77494
Phone:(281)555-5236
Employee:1005
Salary:58240.0

Name:Anikan Skywalker
Address:345 Lucas Road, Los Angeles, CA 95985
Phone:(417)743-3542
Employee:3202
Salary:166950.0

Name:Max Rockentansky
Address:4 Fury Road, Melbourne, AU 21-45781
Phone:8-25-(123)478-8886
Employee:2500
Salary:78000.0

Name:Bob Cratchett
Address:777 Christmas St, London, UK 1-4587
Phone:8-2-(238)433-8871
Employee:2501
Salary:25750.0