ReadFiles

+ list1 : (static) ArrayList<String>
+ arr1 : (static) String[][]
+ list2 : (static) ArrayList<String>
+ arr2 : (static) String[][]

+ static void main(String[] args)

Writefile

+ static void main(String[] args)

Personel

txtArray : String[][] (static)
totalSalary : int
ind : int (static)
severancePay : int
baseSalary : int = 2600

arraymet() : void
setind(int ind) : void
getind() : int
setarr(String[][] txtArray) : void
getarr() : String[][]
+ sevrpaycal(int ind) : void
# setpay(int severancePay) : void
# getpay() : int

Officier

- overWork : int
ssBenefits : int

- overWork(int ind) : void
officierbenefits() :void
setben(int ssBenefits) : void
getben() : int
+ salaryoff()

Security

- transMoney : int
- foodMoney : int
- hourOfWork : int

- hourOfWork(int ind) : void
+ salarysec() : void

Academician

ssBenefits : int

benefits(int % x) : void
setben(int ssBenefits) : void
getben() : int
+ callFaculty() : void
+ callReser() : void

Employee

hourOfWork : int

hourOfWork(int ind) : void

FacultyMember

- addCourseFee : int

- addCourseFee(int ind) : void
+ salaryfac() : void

ResearchAssistants

+ salaryres() : void

Parttime

+ salarypart() : void

Fulltime

overWorkSalary : int

dayOfWork(int x TL/per days) : int
overWorkSalary(int ind , int hour,
 int y TL/ per hours) : void
+ callWorker() : void
+ callChief() : void

Chief

+ salarychief() : void

Worker

+ salarywork() : void

protected
- private
+ public

Problem Definition:

Calculate the salary by classifying each person according to their ID number.

Steps of Algorithm

1.Read two txt files.

2. Add each lines two files in an array,each index to be an personel.

3.Add common attributes and methods in superclass and add other methods and attributes in sub-classes.

4. Call classes according to the initials of identification numbers.

5. Save the index of the currently calling array.

6. Take all 4 weeks according to index , call methods and attributs and calculate total salary.

7.Save total salaries in the array.

8.Create txt files to each personel.

9.Use the array and write each index in the array to txt files.