

Hacettepe University

Computer Science and Engineering Department

Name and Surname : Selçuk Yılmaz

Identify Number : 21828035

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Experiment : Java Assignment 2

Subject : Inheritance

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Advisors : Nebi

E-mail : selcukyilmaz2000@hotmail.com

WHAT IS THE PROBLEM ?

Problem is calculating all workers salaries.

WHAT ARE METHODS DOING ?

ReadFile(): This method is reading files.

Personelreader(): This method is setting all personel informations to arraylist.

Workinghoursreader(): This method is setting all working hours informations to another arraylist.

FileLength(): This method is measuring how many lines a file have.

Write(): This method is creating new file and writing on it.

Result(): This method is accessing all calculate methods and these methods calculates salary.

Calculate(): This method is for arranging. We override this method for simplicity.

WHAT ARE CLASSES DOING ?

Main class is the reach class to all code.

Fileio class is taking all the informations and writing all the informations.

Calulator class is where we accessing all calculating methods.

Writer class is where we making new files.

Personel class is a super class for all the work positions.

Work positions class(Security,Research Assistant etc.) is where we making all calculations.

HOW TO SOLVE THIS PROBLEM ?

1-We take workers informations as inputs.

2-We put all informations into Personel Arraylist

3-We first look at Personel position code and because of that position code we can make calculations for all the specific works.

4-After the calculation we write all informations into new files.

UML DIAGRAM :

