

HACETTEPE UNIVERSITY

DEPARTMENT OF COMPUTER ENGINEERING



Student

Name :

Surname :

Student ID :

Department : Computer Engineering

PROGRAMMING ASSIGNMENT 2

Subject: Inheritance

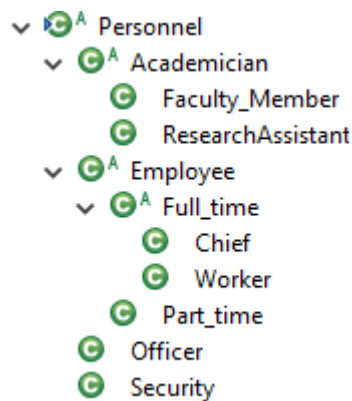
Programming Language: Java

PROBLEM

In this assignment we have a txt file where contain peoples' job title ,year of began to work and a unique key. We have to read this txt file and create this person as object. For every job title we have to create a class. Our second txt file is a monitor txt file which contain how many hours worked this person in four weeks. By working hour we will going to calculate their salary.

METHOD AND SOLUTION

First of all I create my hierarchy and its like that :



After that I read people txt file and for every line I created people object then put in my arraylist. Then I have to set how many work they worked, for that I read second txt file and find the object in people arraylist, finally I set their worked hours for each week. After all I just have calculate their salary for this all kind of object need a different algorithm. So I override getSalary() function. This function calculate salary object about itself rule, then set salary attributes. After all these calculating I set a second function which one is getText() function. This return object information as desired text format. So print all text information for every object.

RESULT

In this assignment I review java programming basic. I learn what is inheritace and how we can use it in a oop programming. What is abstract class and override meaning,usage