Hacettepe University

Computer Engineering Department

Name and Surname : Cankat ADİLOĞLU

Identity Number : 21426515

Course : BBM104

Experiment : Programming Assignment 2

Data Due : 23.3.2016

Advisor : Assist. Prof. Dr. Ayça TARHAN, R. A. Nebi YILMAZ

e-mail : cankatadiloglu@hotmail.com

Introduction

In this experiment we are expected to use advantages of object oriented programming like inheritance hieararchy, override method etc…

Problem

In this experiment we are expected to write a program that gets information of personnels working on a company, and calculate their salaries due to their position, year of start and working hours for that month.

Solution

We should get informations like name, position, register number, year of start and working hours from 2 input files (Personnel.txt and Monitoring.txt) and calculate their salaries using calculation method which are different for all of them. And finally create ".txt" files as output for each person.

Algorithm

1)Read first input file and by splitting lines get "name" , "register number", "position", and "year of start" informations.

2)Read second input file, split the lines and by comparing first element of the lines to the "register number" get weekly working hours information.

3)By using all of this informations, we can calculate each component's salaries due to the position's salary calculate method.

4)Create outputs as ".txt" files named as component's register numbers and put the salary besides the information.