

Programming Assignment #6

Referring to assignment #5, create a class with four private member variables and five member functions; write a program that will read in each record from an input file, calculate the total pay for the thirty (30) employees and storing the data into an array. The data is to then be printed to an output file.

Description	Data Type	Members
Employee IDs	of INT	 employees_jd hrworked_jd payrate_jd total_pay
Hours Worked	of DOUBLE	
Pay Rate	of DOUBLE	
Total Pay	of Double	
Class name	payroll	

Member Functions

calcPay	private	pass computed Total Pay and store into array.
getinfo	private	get information from datafile.
putinfo	private	output data to datafile.
results	public	array of thirty (30), used to access private function getinfo and calcPay to retrieve data from input file and calculate Total Pay.
results2	public	used to access private function putinfo to write the array of data to an output file.

Total pay should be calculated by multiplying the hours worked by pay rate plus 10% of total pay for every five (5) hours over forty (40). (i.e. a person working 50 hours with a total pay of \$100 would have $((50-40)/5)*(100*.1)$ added to total pay.

Note: _jd represents the initials of the programmer. Your function names should be named by replacing the initials jd with your first and last initials.

Excluding the main function, your program should have five additional functions that will get the hours worked and payrate, calculate the total pay, sort the data and display your output.

	Read Input File	Calculate Average	Output Results
Name of function	getinfo_jd	calcPay_jd	putinfo_jd
Properties of function	Called from public member function results.	Called from public member function results.	Called from public member function results2.
Definition of Function	Data should be read from this file.	Should pass Total Pay back to results.	Data should be printed to this file.

Data file should be named data2_jd.txt