

Programming Assignment #5

Using a structure, and creating three structure variables; write a program that will calculate the total pay for thirty (30) employees. **(Ten for each structured variable.)** Sort the list of employees by the employee ID in ascending order and display their respective information.

Description	DataType	Members
Employee IDs	of INT	
Hours Worked	of DOUBLE	
Pay Rate	of DOUBLE	
Total Pay	of Double	
Structure name	payroll	
		Array Size
administrative	structure variable	10
office	structure variable	10
field	structure variable	10

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). (ie 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	Sort Data	Output Results
Name of function	get_jd	calc_jd	sort_jd	prt_jd
Properties of function	Called from main	Called from main	Called from main	Called from main
Definition of Function	Should pass hours worked and pay rate	Should pass hours worked and pay rate and calculate total pay	Sort by data by student ID using the bubble or selection sort.)	Should pass employee id, hours worked, pay rate and total pay and print data

Data file should be named data2_jd.txt