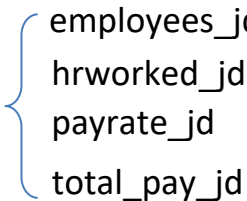# Program 6

Using a structure, 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	employees_jd
Hours Worked	of DOUBLE	hrworked_jd
Pay Rate	of DOUBLE	payrate_jd
Total Pay	of Double	total_pay_jd

Structure name	payroll	

		Array Size
administrative	structure variable	10
office	structure variable	10
field	structure variable	10

Note: Program should have only one get function, one calc function, one sort function and one out function.

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

Base pay should be calculated by multiplying the regular hours worked by pay rate.
A regular work week is forty (40) hours. Employee should get 1.5 their pay for any hours worked over 40.

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

	Read Input File	Calculate Pay	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 employee id, hours worked and pay rate	Should pass hours worked and pay rate and calculated total pay	Sort data by student ID using the bubble or selection sort; passing all variables	Should pass employee id, hours worked, pay rate and total pay. Then print the data.

Note: Dollar amount should be displayed with two decimal places and hours worked should be displayed with one decimal place.