

# Program 6

Write a c++ program using a structure. Create three structure variables; The program should calculate the total pay for thirty (30) employees. (**Ten for each structured variable**); administrator, office, and field.) Sort by the employee ID, the ten records of each structured variable in ascending order and display their respective information.

Description	Data Type	Members
Employee IDs	of INT	employees_jd hrworked_jd payrate_jd total_pay_jd
Hours Worked	of DOUBLE	
Pay Rate	of DOUBLE	
Total Pay	of Double	
<b>Structure name</b>	<b>payroll</b>	
		<b>Array Size</b>
administrative	structure variable	10
office	structure variable	10
field	structure variable	10

Excluding the main function, your program should have four additional functions that will get the employee names, hours worked and payrates, calculate the total pay, sort the data (by structured variable), and display (output) the original data and sorted data.

Based on a 40-hour work week, calculate the employee pay giving the time and one half (1.5) for overtime hours.

**Note: Use your initials to end your function names. \_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 name, hours worked and payrate to read data from the input file	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, payrate and total pay to print the data.