Function Exercises

Computer Programming II Mrs. Alano

Exercise 1 – SimpleCalculator.cpp

Write a program that asks the user for 2 integers and a character 'A', 'S', or 'M'. Call one of 3 functions that adds, subtracts, or multiplies the user's integers, based on the character input.

Exercise 2 – Desks.cpp

Write a program that calculates the cost of building a desk. The main function calls four other functions. Pass all variables so that the functions make copies of any variables they receive.

- A function to accept as input from the keyboard the number of drawers in the desk. This function returns the number of drawers to the main program.
- A function to accept as input the type of wood – 'm' for mahogany, 'o' for oak, or 'p' for pine
- A function that receives the drawer number and wood type, and calculates the cost of the desk based on the following:
    - Pine desks are $100
    - Oak desks are $140
    - All other woods are $180
    - A $30 surcharge is added for each drawer

  This function returns the cost to the main function.
- A function to display the final price.

Exercise 3 – SmallandLarge.cpp

Write a program that accepts 10 values from the user at the keyboard and stores them in an array. Pass the array and its size to a function that determines and displays the smallest and largest of the 10 values.