COMP 340: Organization of Programming Languages

Lab 8

Problem 1

Write a function that accepts two integers (min and max), that generates a random number between min and max. Hint:

rand() % 8 will generate random numbers between 0 and 8 (0 : 7)

rand() % 3 + 8 will generate random numbers between 8 and 10 (8 : 10)

rand() % ((max +1) – min) + min will generate random number between **min** and **max** (min : max)

Problem 2

Write a function that reverses the elements of an array in place. In other words, the last element must become the first, the second from last must become the second, and so on. The function must accept only one pointer value and return void. Create a second function that will print this array and invoke it from main to ensure it is working as intended.

Problem 3

Combine your solutions to Problem 1 and Problem 2. Create a function called scramble that accepts a pointer to an array, and an integer. The function will swap two elements in your array at random a number of times equal to the integer pass in.