Paul Carmichael
SER222
Module 6: Writeup

My shuffle algorithm is a for-loop that take i and sets it equal to the length of the array minus 1. This because array indexing starts at 0 instead of 1. The for-loop runs until while i is greater than or equal to 0. The algorithm starts at the back of the array and moves forward to simplify the math for the indices that have already been shuffled. For each loop we randomly choose one of the elements in the array that has not already been set and input it into the index of i. This repeats until the first element in the array is set. For the swapping I use just a simple temp variable to store the element in position i of the array and then input the random index into index i. Finally replacing the element at the random index with the temp variable.