1. Write a function that takes no input and prints the number of times the function has been called. Hint: Use static variables.

  Example: printCall(); printCall(); printCall();  will print

“Called 1 times”

“Called 2 times”

“Called 3 times”

1. Suppose you have a global variable number. Write three functions -
   1. set (int v)   -> updates number to v.
   2. makedouble() -> doubles number.
   3. print() -> prints the current value of number.

  Example:

set(10); //v is now 10

set(5); //v is now 5

print(); //prints 5

makedouble(); //v is now 10

makedouble(); //v is now 20

print(); //prints 20

1. Write a C function that takes an integer and reverses its digits. The function should have the signature void reverse(int\* ).

1. The function sort(int \*a, int \*b) sorts the variables a, b by their value. If a is smaller, the function does nothing, otherwise it swaps them. Implement the function.

1. Use the above function to sort three integers a, b, c by their value. After sorting a should have the smallest value, b should have the second smallest, c the largest value. Hint: It should take three function calls.

1. Write a function that outputs the element wise sum of two equal sized array. It should have the signature void add(int a[], int b[], int sum[]). Use the sum variable for outputting the sum.

Example: a = {1, 2, 3}, b = {2, 3, 4}. Then sum should be {3, 5, 7}

1. Write a function that as input n and outputs an a