ASSIGNMENT 1 NAME : ARAVINTH KUMAR D

1.Create gcd method signature with input as 2 integer variables and return integer.

ALGORITHMS:

STEP 1: Consider two positive integer be “m” and “n”. For remainder consider “r”.

STEP 2: m/n if the r = 0. Then n is the gcd.

STEP3: if r !=0 then change the m--->n, n---->r. Then move to STEP 1 again until the r=0.

2. Write method for sorting the sorted array using bubble sort.

STEP 1: Consider array has following number has (2,5,1,3).

STEP 2: compare 2,5. Since 5>2. The sorted becomes (2,5,1,3).

STEP 3: Now compare 5,1 .Since 5>1. The sorted becomes (2,1,5,3).

STEP 4: Now compare 5,3 .Since 5>3. The sorted becomes (2,1,3,5).

STEP 5: Now compare 2,1 .Since 2>1. The sorted becomes (2,1,3,5).

STEP 6: Now compare 1,3 .Since 3>1. The sorted becomes (2,1,3,5).

STEP 3: Now compare 2,1 .Since 2>1. The sorted becomes (1,2,5,3).