Program for sort 0’S,1’S and 2’s (DNF algo) :

public class sort012 {

public static void main(String[] args) {

int[]a = {1,0,2,0,1,2,1};

sort(a);

for(int i=0;i<a.length;i++)

System.out.println(a[i]);

}

public static void sort(int[]a)

{

int[]freq = new int[3];

for(int j=0;j<a.length;j++)

freq[a[j]]++;

int k = 0;

for(int i=0;i<freq.length;i++)

{

while(freq[i] -- > 0) // i > 0 compare then i - - decrement

{

a[k]=i;

k++;

}

}

}

}