Next Permutation

class Solution {

public void nextPermutation(int[] nums)

{

int k=nums.length-2;

while(k>=0 && nums[k]>=nums[k+1])k--;

if(k==-1)

{

reverse(0,nums.length-1,nums);

return;

}

for(int i=nums.length-1 ;i>k ;i--)

{

if(nums[i]>nums[k])

{

int temp=nums[i];

nums[i]=nums[k];

nums[k]=temp;

break;

}

}

reverse(k+1,nums.length-1,nums);

}

public void reverse(int start,int end,int[] nums)

{

while(start<end)

{

int temp=nums[start];

nums[start]=nums[end];

nums[end]=temp;

start++;

end--;

}

}

}