```python
def mergesort(A):

    if len(A) > 1:
        mid = len(A) // 2
        left = A[:mid]
        right = A[mid:]

        mergesort(left)
        mergesort(right)

        i=0
        j=0
        k=0
        while i < len(left) and j < len(right):
            if left[i] < right[j]:
                A[k] = left[i]
                i = i + 1
            else:
                A[k] = right[j]
                j = j + 1
            k = k + 1

        while i < len(left):
            A[k] = left[i]
            i = i + 1
            k = k + 1

        while j < len(right):
            A[k] = right[j]
            j = j + 1
            k = k + 1

A = [84, 21, 96, 15, 47]
print('Original Array: ', A)
mergesort(A)
print('Sorted Array: ', A)
```