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public class mergeSort {
public static void merge(int[] array, int left, int mid, int right) {
int n1 = mid - left + 1;
int n2 = right - mid;
int[] leftArray = new int[n1];
int[] rightArray = new int[n2];
for (int i = 0; i < n1; ++i)
leftArray[i] = array[left + i];
for (int j = 0; j < n2; ++j)
rightArray[j] = array[mid + 1 + j];
int i = 0, j = 0;
int k = left;
while (i < n1 \&\& j < n2) {
if (leftArray[i] <= rightArray[j]) {</pre>
array[k] = leftArray[i];
i++;
} else {
array[k] = rightArray[j];
j++;
}
k++;
}
while (i < n1) {
array[k] = leftArray[i];
i++;
k++;
}
```

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while (j < n2) {
array[k] = rightArray[j];
j++;
k++;
}
}
public static void mergeSort(int[] array, int left, int right) {
if (left < right) {</pre>
int mid = (left + right) / 2;
mergeSort(array, left, mid);
mergeSort(array, mid + 1, right);
merge(array, left, mid, right);
}
}
public static void main(String[] args) {
int[] array = {12, 11, 13, 5, 6, 7};
System.out.println("Siralamadan Önce:");
for (int value : array) {
System.out.print(value + " ");
}
mergeSort(array, 0, array.length - 1);
System.out.println("Siralamadan Sonra:");
for (int value : array) {
System.out.print(value + " ");
} }}
```