```
□ | 《 銀版 Offer 10-11 青蛙跳船前河 × | 《 393 至少有 K 个重数字符的局针 × | ❷ 2153067 王秦华·提后作业3-3 pc × 《 级报 Offer 40. 最小的小个数 · 力目 × 十
                                                                       A 6 G D 6 9 8
 合力和
                                                                         Pus della 10 0 0 0
                                       ×英团
型目描述 (7/6 (1.2K) 型解 (2.5K) 提交记录
                                           723319809
                                                                           ② 详情 写题解
 所有状态 ~ 所有语言
                                           C++
通过
2023.03.12
        C++
源代码如下:
#include<iostream>
#include<vector>
#include<algorithm>
using namespace std;
class Solution {
private:
    void Merge(vector<int>& a, vector<int>& b, const int left, const int
mid, const int right) {
        int i = left,
             j = mid + 1,
             k = left;
         for (; i <= mid && j <= right;)</pre>
             if (a[i] < a[j])
                 b[k++] = a[i++];
             else
                  b[k++] = a[j++];
         if (i > mid)
             while (j <= right)</pre>
                  b[k++] = a[j++];
        else
             while (i <= mid)
                 b[k++] = a[i++];
    }
    void Copy(vector<int>&dst,vector<int>src,const int left,const int
right) {
        for (int i = left; i <= right; i++)</pre>
             dst[i] = src[i];
    void MergeSort(vector<int>& arr,const int left,const int right) {
         if (left < right) {</pre>
             int mid = (left + right) / 2;
             vector<int> temp(arr.size(),0);
             MergeSort(arr, left, mid);
             MergeSort(arr, mid + 1, right);
             Merge(arr, temp, left, mid, right);
```

```
Copy(arr, temp, left, right);
public:
   vector<int> getLeastNumbers(vector<int>& arr, int k) {
       MergeSort(arr, 0, arr.size() - 1);
       vector<int>::const_iterator First = arr.begin();
       vector<int>::const_iterator Last = arr.begin() + k;
       vector<int>ans(First, Last);
       return ans;
};
int main()
   Solution test;
   int k = 5;
   vector<int> arr = { 8,1,0,9,7,5,0,3,1,0,2,4 };
   vector<int>ans(test.getLeastNumbers(arr, k));
   for (int i=0; i < ans.size(); i++) {</pre>
       cout << ans[i] << ' ';
   cout << endl;</pre>
   return 0;
```