头文件：

```cpp
//Test.h
#ifndef PRACTICE_TEST_H
#define PRACTICE_TEST_H

class Test{
public:
    void operator() (int* array, int N);
};

#endif //PRACTICE_TEST_H
```

主程序：

```cpp
#include<bits/stdc++.h>
#include "Test.h"

using namespace std;

void Test::operator()(int *array, int N) {
    void quick_sort(int *array, int l, int r);
    quick_sort(array, l: 0, r: N);
}

void quick_sort(int *array, int st, int ed) {
    if (st >= ed - 1) return;
    int l = st, r = ed, p = array[l];       //左右边界
    int tmp = 0;          //临时存储的变量
    for (int i = l + 1; i < r;) {
        if (array[i] > array[l]) {
            tmp = array[l];
            array[l] = array[i];
            array[i] = tmp;
            l++, i++;
        } else {
            tmp = array[i];
            for (int j = i; j < r; j++) array[j] = array[j + 1];
            array[r - 1] = tmp;
            r--;
        }
    }
    array[l] = p;
    quick_sort(array, st, ed: l);
    quick_sort(array, st: l + 1, ed);
}

int main() {
    Test obj;
    int q[10] = { [0]: 5, [1]: 41, [2]: 23, [3]: 54, [4]: 78, [5]: 4, [6]: 26, [7]: 74, [8]: 31, [9]: 13};
    obj( array: q, N: 10);
    for (auto i :int : q) cout << i << ' ';
    return 0;
}
```

运行结果：

```
C:\Users\Hayes\CLionProjects\practice\cmake-build-debug\test.exe
78 74 54 41 31 26 23 13 5 4
Process finished with exit code 0
```

IDE：Clion