sorting.cpp

```cpp
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5      int array[] = {1, 2, 4, 3, 5};
6      int size = sizeof(array) / sizeof(array[0]);
7
8      for (int i = 1; i < size; i++)
9      {
10         if (array[i] < array[i - 1])
11         {
12             cout << "this array is not sorted" << endl;
13             break;
14         }
15         else
16         {
17             cout << "this array is  sorted" << endl;
18         }
19     }
20
21     return 0;
22 }
```