Practice 1

[<source>:5:1: error: V557 Array overrun is possible. The 'i' index is pointing beyond array bound.](javascript:;)

[<source>:10:1: error: V614 Uninitialized variable 'value' used.](javascript:;)

[<source>:14:1: error: V773 Visibility scope of the 'leak' pointer was exited without releasing the memory. A memory leak is possible.](javascript:;)

[<source>:13:1: warning: V799 The 'leak' variable is not used after memory has been allocated for it. Consider checking the use of this variable.](javascript:;)

Practice 2

Bugs: [<source>:4:1: error: V522 Dereferencing of the null pointer 'ptr' might take place.](javascript:;)

Bugs: [<source>:7:1: warning: V557 Array overrun is possible. The value of 'i' index could reach 3.](javascript:;)

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#include <iostream>

void bubbleSort(int arr[], int n) {

for (int i = 0; i < n - 1; i++) {

for (int j = 0; j < n - i - 1; j++) {

if (arr[j] < arr[j + 1]) { // Logic error: should be >

std::swap(arr[j], arr[j + 1]);

}

}

}

}

int main() {

int arr[]={1,2,4,3},

bubbleSort(arr,4);

return 0;

}