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//Answer to question #38464, Programming, C++

#include <iostream>

using namespace std;

int*Creating()
{
    int *ar = new int[10];
    cout << "Please enter 10 numbers\n";
    for (int i = 0; i < 10; i++)
        cin >> ar[i];
    return ar;
}

int* Ascending(int *ar, int n)
{
    for (int i = 0; i < n / 2; i++)
        for (int j = i; j > 0 && ar[j - 1] > ar[j]; j--)
            swap(ar[j - 1], ar[j]);
    return ar;
}

int* Descending(int* ar, int n)
{
    for (int i = n / 2; i < n; i++)
        for (int j = i; j > n / 2 && ar[j] > ar[j - 1]; j--)
            swap(ar[j], ar[j - 1]);
    return ar;
}

int main()
{
    int *ar = Creating();
    for (int i = 0; i < 10; i++)
        cout << ar[i] << ' ';
    cout << endl;
    Ascending(ar, 10);
    Descending(ar, 10);
    for (int i = 0; i < 10; i++)
        cout << ar[i] << ' ';
    cout << endl;
    return 0;
}

```