

### Selection Sort (C++)

```
#include <iostream>
using namespace std;

int main() {
    int n;
    cout << "Enter number of elements: ";
    cin >> n;

    int a[n];
    cout << "Enter elements:\n";
    for(int i = 0; i < n; i++)
        cin >> a[i];

    for(int i = 0; i < n - 1; i++) {
        int minIndex = i;
        for(int j = i + 1; j < n; j++) {
            if(a[j] < a[minIndex])
                minIndex = j;
        }
        int temp = a[i];
        a[i] = a[minIndex];
        a[minIndex] = temp;
    }

    cout << "Sorted array:\n";
    for(int i = 0; i < n; i++)
        cout << a[i] << " ";
```

```
    return 0;
```

```
}
```

### Output

```
Enter number of elements:  
3  
Enter elements:  
6 9 5  
Sorted array:  
5 6 9  
  
==== Code Execution Successful ===
```