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1  // Autor: Rannier Salles de Almeida
2  // Prova PCC104 - 01
3  // Algoritmo: SelectionSort
4
5  #include <iostream>
6
7  void SelectionSort(int A[], int n) {
8
9      for (int i = 0; i < n - 1; i++) {
10         int min = i;
11         for (int j = i + 1; j < n; j++) {
12             if (A[j] < A[min]) {
13                 min = j;
14             }
15         }
16
17         int temp = A[i];
18         A[i] = A[min];
19         A[min] = temp;
20     }
21 }
22
23 int main() {
24     int A[] = {89, 45, 68, 90, 29, 34, 17};
25     int n = sizeof(A) / sizeof(A[0]);
26     std::cout << "Size of A: " << n << std::endl;
27     SelectionSort(A, n);
28     std::cout << "Sorted array: ";
29     for (int i = 0; i < n; i++) {
30         std::cout << A[i] << " ";
31     }
32
33     return 0;
34 }
35

```