**Selection Sort**

Selection sort is another simple sorting method that works better than bubble sort

and worse than insertion sort. It works by finding the smallest or highest element

(Most probably desired element) from the unsorted list and swaps with the first el-

ement in the sorted list and then finds the next smallest element from the unsorted

list and swap with the second element in the sorted list. Consequently, sorted ele-

ments are increasing at the top of an array and the rest will remain unsorted. The

algorithm continues this operation until the list being sorted. Selection sort is also

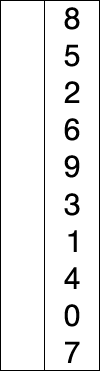
an in-place algorithm since it requires a constant amount of memory space. Like

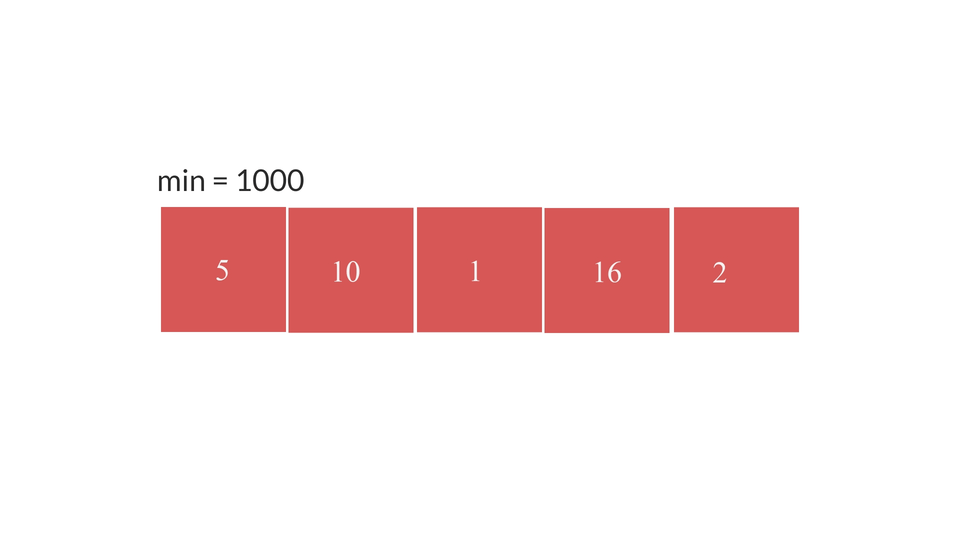
some other simple sorting methods, selection sort also inefficient for large arrays.

The algorithm [19] for selection sort is as follows.

**Resumo Português**

A ordenação por seleção é outro método de ordenação simples que funciona melhor do que a ordenação por bolhas e pior do que a ordenação por inserção. Funciona encontrando o menor ou o maior elemento



**O que acontece?**