

Selection Sort Algorithm

Implementation (in words):

1. Loop through the array.
2. For each position, find the smallest element in the rest of the array.
3. Swap that smallest element with the current position.
4. Repeat until the array is sorted.

Code:

```
def selection_sort(arr):  
    n = len(arr)  
    for i in range(n):  
        min_index = i  
        for j in range(i + 1, n):  
            if arr[j] < arr[min_index]:  
                min_index = j  
        arr[i], arr[min_index] = arr[min_index], arr[i]  
    return arr
```