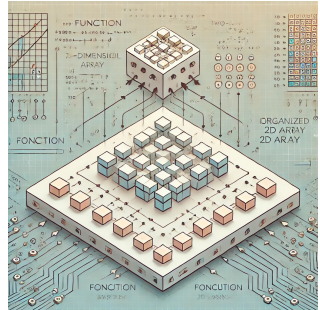# Sort functions

Sorting functions rearrange elements in containers in a specific order, either ascending or according to a user-defined predicate.

1. Sort elements in range
2. Sort elements preserving order of equivalents
3. Partially sort elements in range
4. Copy and partially sort range
5. Sort element in range
6. Check whether range is sorted
7. Find first unsorted element in range

Sotr functions - sort elements in a vector

- **sort**(v1.begin(), v1.end(), match)
- **stable_sort**(v1.begin(), v1.end(), match)
- **partial_sort**(v1.begin(), v1.at(x), v1.end(), match)
- **partial_sort_copy**(v1.begin(), v1.end(), v2.begin(), v2.end(), match)
- **nth_element**(v1.vegin(), nth, v1.end(), match)
- **is_sorted**(v1.begin(), v1.end(), match)
- **is_sorted_until**(v1.begin(), v1.end(), match)

example file 06_sort1.cpp