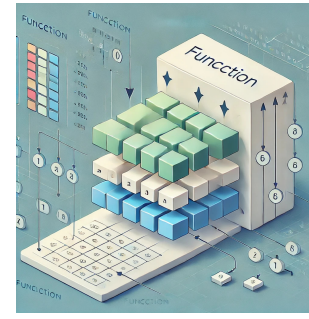
Partition functions

Partition functions allow you to rearrange the elements in a range based on a condition or predicate. The goal is to group elements that satisfy a condition together, either at the beginning or end of the range. These functions are especially useful when you need to segregate data based on a condition for further processing.

1. check if vector partitioned
2. get the partition point
3. create partition of the vector
4. create partition saving elements order
5. create partition by copying elements into two vectors



Partition functions - divide the array according to predefined conditions

- **is_partitioned**(v1.begin(), v1.end(), match)
- **partition_point**(v1.begin(), v1.end(), match)
- **partition**(v1.begin(), v1.end(), match)
- **stable_partition**(v1.begin(), v1.end(), match)
- **partition_copy**(v1.vegin(), v1.end(), v2.begin(), v3.begin(), match)

example file 05_partition1.cpp