- 1. STL: Standard Template Library
  - a. Vector
  - b. Stack
  - c. Queue
  - d. Deque
  - e. Prority Queue
  - **f. Set** [ sort + unique, distinct ]
  - g. Multiset
  - h. Map
- **2. STL Set Operations :** insert O(log n), erase O(log n), find O(log n), size O(1) printing O(n). end() is the last element's next pointer. For non existing value it returns end pointer
- 3. STL Multiset: Values are sorted only not mandatory to have distinct. insert, size, find same as set, Except erase()
  Erase function delete all occurrence of that value in multiset. To delete a single occurrence we can use: erase(find()).
  if erase(end() pointer) multiset will be crashed.
- **4. STL Pair :** keep two data type in a pair : pair < int, string > Sorting with pari to know the previous index, pair is NEEDED.
- 5. STL Map: Pair of {key, value} Map = {1, 10}, {2, 20}, {3, 30}
  Map will be in sorted order based on key.
  Map insert = O (Log N)
  Map access = O (Log N)
  Map Print = O(N)