What if u want to have a collection of data items ?

e.g. Strings, numbers, characters ,objects etc.

one way is to create array. They are efficient.

But if we have following needs :

1. Dynamic array
2. Sorted data
3. uniqueness
4. key-value storage
5. effective way of persisting

Arrays can not fulfill above needs. We have to use containers for that.

**Containers**

Give us advantages such as

* Dynamic
* Sorted Order
* Uniqueness
* Thread-safe
* Performance
* Key-value storage , convenient for retrieval by passing a key.
* Provide effective way of storing and maintaining data inside the file system.

**Iterators**

Allow us to traverse through the container.

**Algorithms**

Allow us to perform tasks such as min,max, sort etc. on the data structure.