# Vector

If you started programming in Java and then moved to c++. You would think an array would be the same. But in c++ arrays are mainly static due to their poor maintainability features. Instead if you use a vector because they are basically the same as an array in other languages expect they have a different name.

## Advantages

* Storage is handled automatically
* Able to add remove elements easily
* Don’t need to be reallocated when new elements are added

## Disadvantages

* Can hog memory if you need to keep a lot of data

# Forward\_list

A forward is a container that allows fast data migration anywhere within the container. This provides more space due to removing bidirectional iteration

## Advantages

* Fast
* Large storage capacity

## Disadvantage

* Unable to become multi-dimensional