Dynamic memory allocation

Read text from file, you don’t know the size.

If something is deleted want to free up memory and allocate the memory to something else.

In C++ vectors do everything for you, python list does the same thing (List.add).

How to do this yourself

2 types of memory

1. Stack: local variable to function, memory is reallocated when function becomes out of scope.
2. Heap: Large pool of free memory (Larger than stack), it is where dynamically allocated memory goes.

If you are working with a heap you have to do memory management yourself if C++ i.e.: Explicitly allocate and de - allocate memory, if you forget too then you have a memory leak