



Array Lists PushBack

Learning Objectives

1. Implement PushBack in an Array List



Array List Implementation

C	S	2	2	5	
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List.h

```
1 #pragma once
2
3 template <class T>
4 class List {
5     public:
6         /* ... */
7
8     void push_back(const T &data);
9
10    private:
11        T * data_;
12        T * size_;
13        T * capa_;
14
15        void add_space();
16 };
17
18
19
```

C

S

2

2

5



Array List Add

C	S	2	2	5	
---	---	---	---	---	--



Array List Add

C	S	2	2	5	
---	---	---	---	---	--



```
1  template <typename T>
2  Void List<T>::push_back(const T & data){
3      if(size_ == capa_){
4          _addspace();
5      }
6
7      *size_ = data;
8      ++size_;
9  };
10
11
12
13
14
15
```



```
1 template <typename T>
2 Void List<T>::push_back(const T & data){
3     if(size_ == capa_){
4         _addspace();
5     }
6
7     *size_++ = data;
8 };
9
10
11
12
13
14
15
```

