ArrayList

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Chapter 1

File Index

1.1 File List

Here is a list of all files with brief descriptions:

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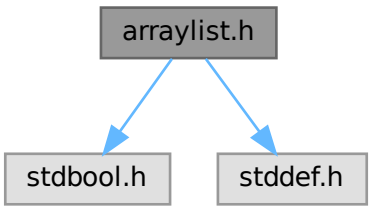
Chapter 2

File Documentation

2.1 arraylist.h File Reference

```
#include <stdbool.h>
#include <stddef.h>
```

Include dependency graph for arraylist.h:



Typedefs

- typedef struct ArrayList * ArrayList

Functions

- ArrayList al_create (size_t al_capacity, size_t value_size)
- int al_destroy (ArrayList al)
- int al_add (ArrayList al, const void *data)
- int al_insert (ArrayList al, size_t index, const void *data)
- void * al_remove (ArrayList al, size_t index)
- void * al_remove_last (ArrayList al)
- void * al_get (ArrayList al, size_t index)
- size_t al_size (ArrayList al)
- bool al_is_empty (ArrayList al)

2.1.1 Typedef Documentation

2.1.1.1 ArrayList

```
typedef struct ArrayList* ArrayList
```

2.1.2 Function Documentation

2.1.2.1 al_add()

```
int al_add (
            ArrayList al,
            const void * data )
```

2.1.2.2 al_create()

```
ArrayList al_create (
            size_t al_capacity,
            size_t value_size )
```

2.1.2.3 al_destroy()

```
int al_destroy (
            ArrayList al )
```

2.1.2.4 al_get()

```
void * al_get (
            ArrayList al,
            size_t index )
```

2.1.2.5 al_insert()

```
int al_insert (
            ArrayList al,
            size_t index,
            const void * data )
```

2.1.2.6 al_is_empty()

```
bool al_is_empty (
            ArrayList al )
```

2.1.2.7 al_remove()

```
void * al_remove (
            ArrayList al,
            size_t index )
```

2.1.2.8 al_remove_last()

```
void * al_remove_last (
            ArrayList al )
```

2.1.2.9 al_size()

```
size_t al_size (
            ArrayList al )
```

2.2 arraylist.h

Go to the documentation of this file.

```
00001 //
00002 // Created by Emanuel on 09.09.2024.
00003 //
00004
00005 #ifndef ARRAYLIST_H
00006 #define ARRAYLIST_H
00007
00008 #include <stdbool.h>
00009 #include <stddef.h>
00010
00011 typedef struct ArrayList *ArrayList;
00012
00013 ArrayList al_create(size_t al_capacity, size_t value_size);
00014 int al_destroy(ArrayList al);
00015 int al_add(ArrayList al, const void *data);
00016 int al_insert(ArrayList al, size_t index, const void *data);
00017 void* al_remove(ArrayList al, size_t index);
00018 void* al_remove_last(ArrayList al);
00019 void* al_get(ArrayList al, size_t index);
00020 size_t al_size(ArrayList al);
00021 bool al_is_empty(ArrayList al);
00022
00023 #endif //ARRAYLIST_H
```

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