

Data Structure

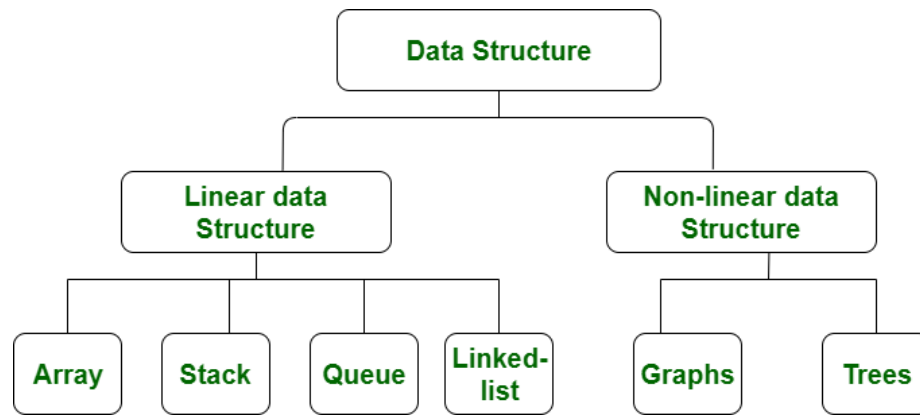


Figure 1: Data Structure

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Array

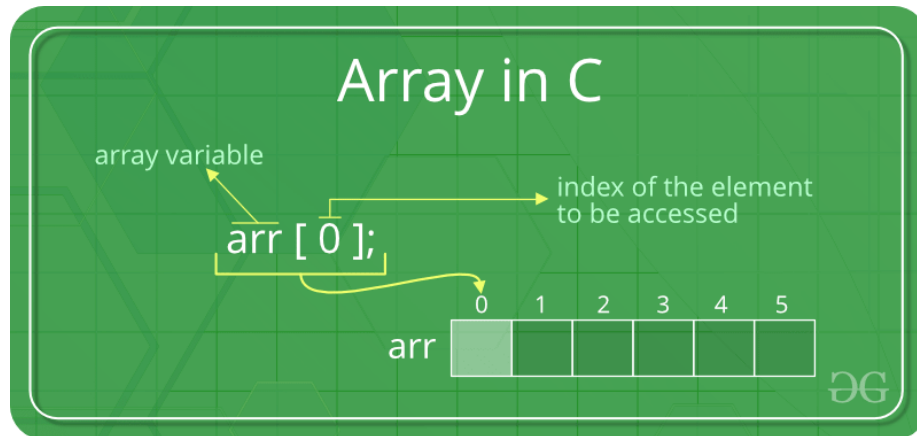


Figure 2: array

Lists

This is **List** part...

Sequential List

Some content here...

Linked List

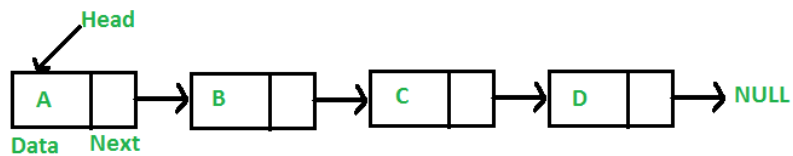


Figure 3: linked list

Stacks

A stack is ...

Code

- Code 1
- Code 2

click *here* to see additional code

Code

Code1: with quote

```
1  typedef struct
2  {
3      void **content;
4      int size;
5      int top;
6  } Stack;
7
8  void stackInit(Stack *s, int size);
9  void stackPush(Stack *s, void* val);
10 void* stackTop(Stack *s);
11 void* stackPop(Stack *s);
12 int stackSize(Stack *s);
13 void stackFree(Stack *s);
```

Code2: without quote

```
1  typedef struct
2  {
3      void **content;
4      int size;
5      int top;
6  } Stack;
7
8  void stackInit(Stack *s, int size);
9  void stackPush(Stack *s, void* val);
10 void* stackTop(Stack *s);
11 void* stackPop(Stack *s);
12 int stackSize(Stack *s);
13 void stackFree(Stack *s);
```

Queues

The world is flat.

Additional

```
100 qsort [] = []
101 qsort (x:xs) = qsort (filter (< x) xs) ++ [x] ++
102                qsort (filter (>= x) xs)
```

Table 1: Here's the caption. It, too, may span multiple lines.

Centered Header	Default Aligned	Right Aligned	Left Aligned
First	row	12.0	Example of a row that spans multiple lines.
Second	row	5.0	Here's another one. Note the blank line between rows.

Table 2: Sample grid table.

Fruit	Price	Advantages
Bananas	\$1.34	<ul style="list-style-type: none">• built-in wrapper• bright color
Oranges	\$2.10	<ul style="list-style-type: none">• cures scurvy• tasty