C Programming Language

13 October 2022 18:35

What is functions?

↓

Set of instructions which we can use repeatedly to avoid Don not repeat yourself.

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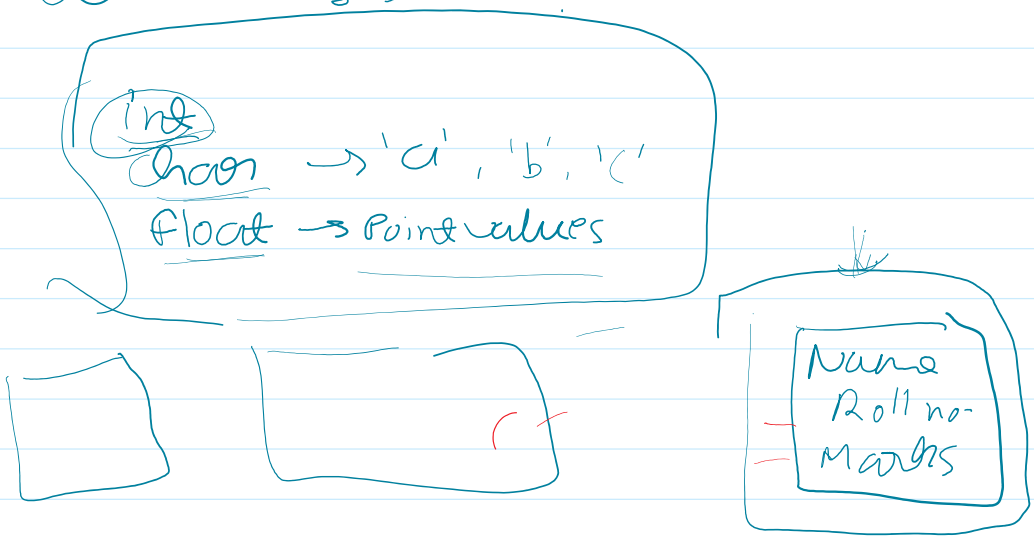
Programming Principle

Don't repeat code

Three parts:-

1. Function Declaration
2. Function Defination
3. Function calling

What is struct?



→ User defined data types

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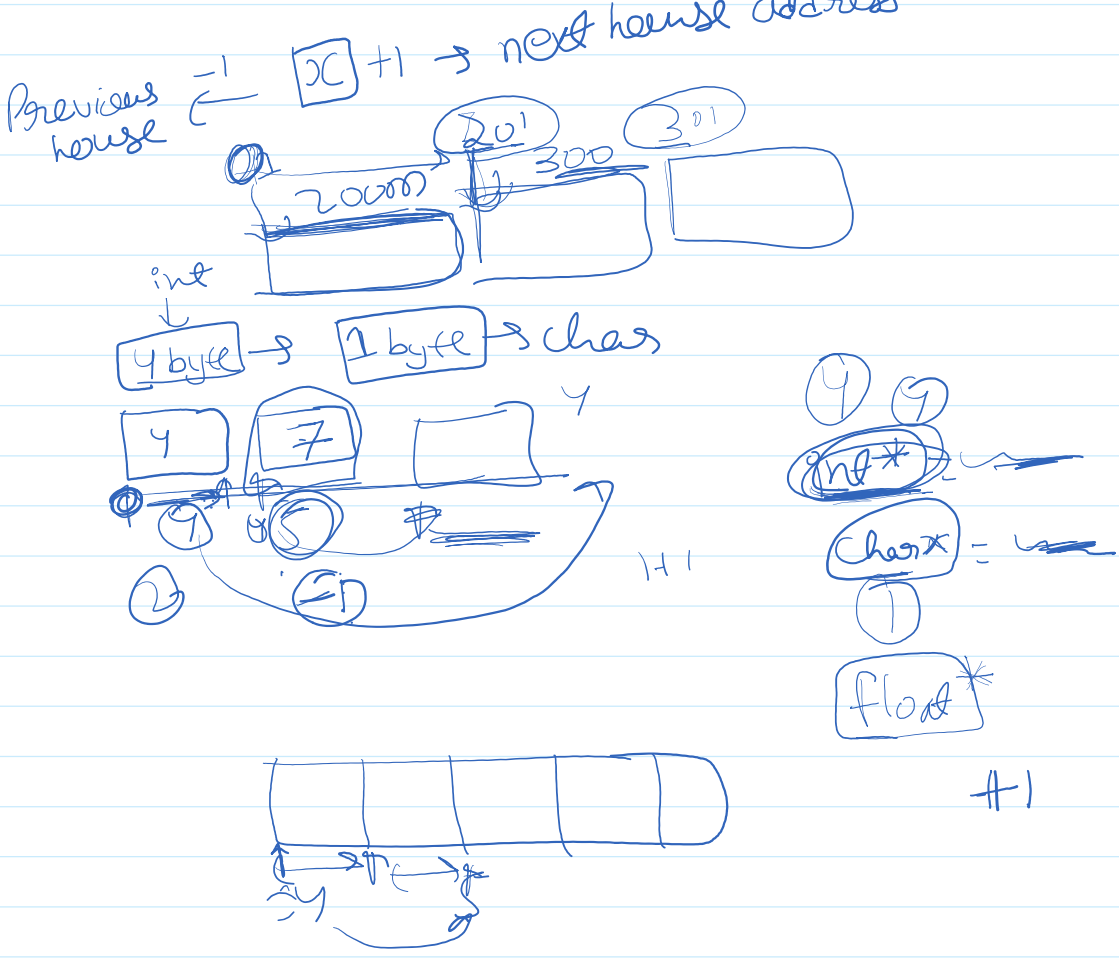
Struct → Define

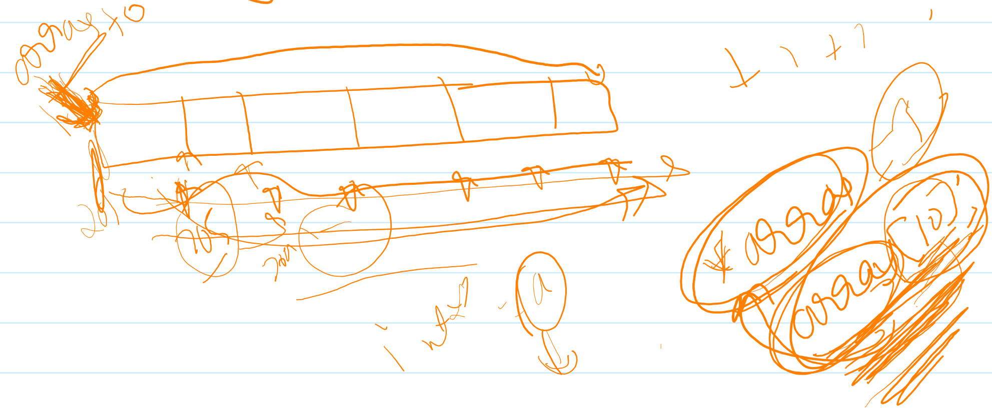
Pointers :-

↳ special type variable which is used to store address of another Datatype.

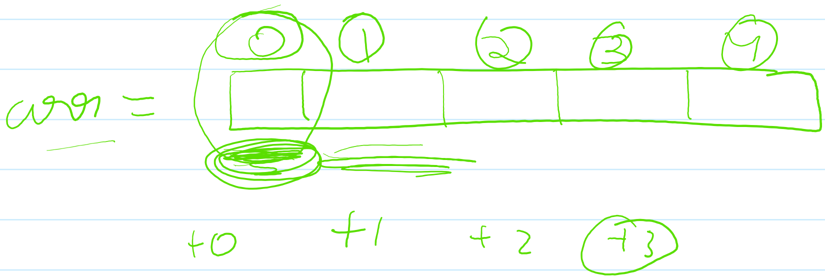
Pointer Arithmetic :-



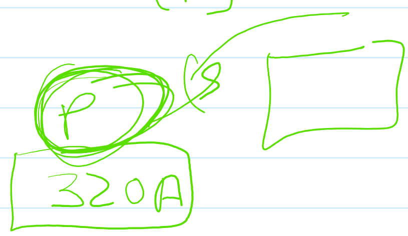
Array :→ Array is a contingeous blocks of memory.



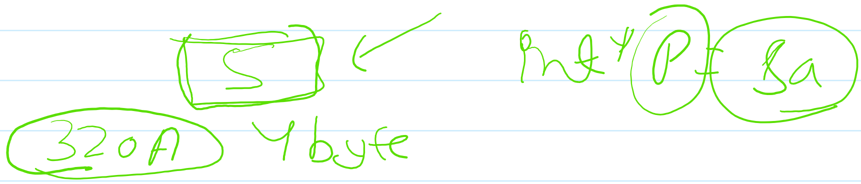
Index in array



arr[0] = 10;   arr[1]



int a = 5;



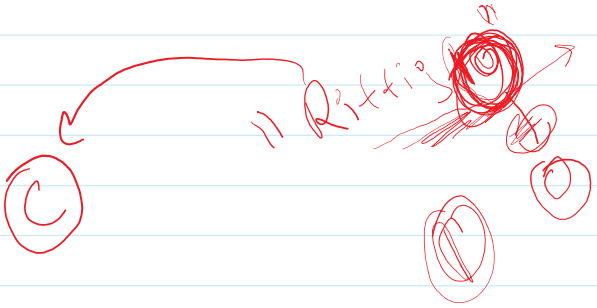
String in C :)

"Rittij"

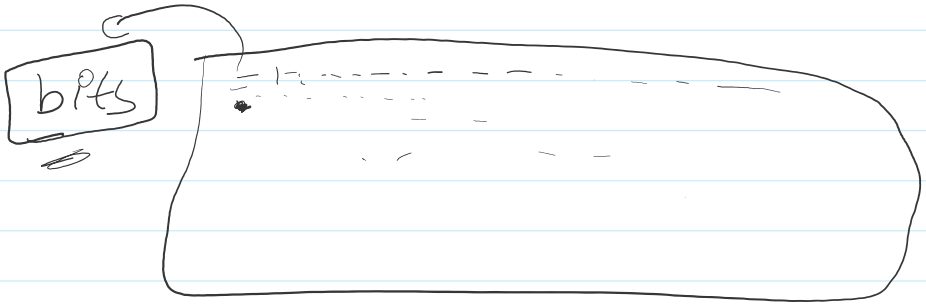
can

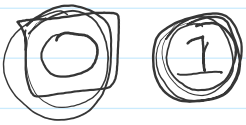
Collection of characters.

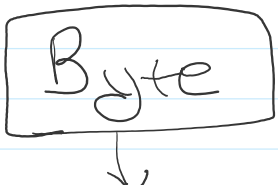
```
char c = 'a';
char b = 'b';
```



Binary → 0 1 → on/off

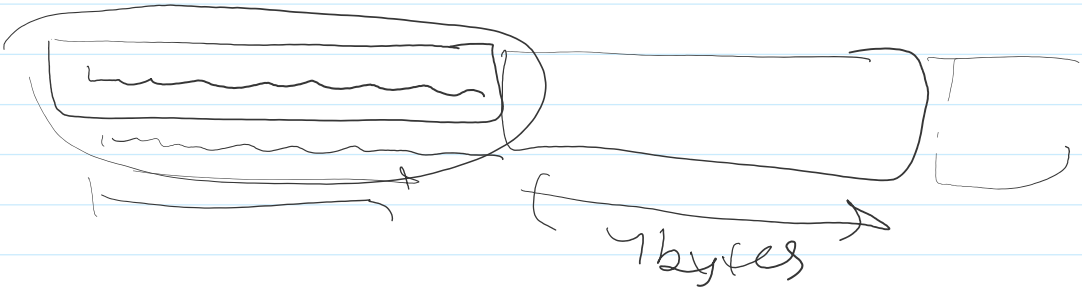






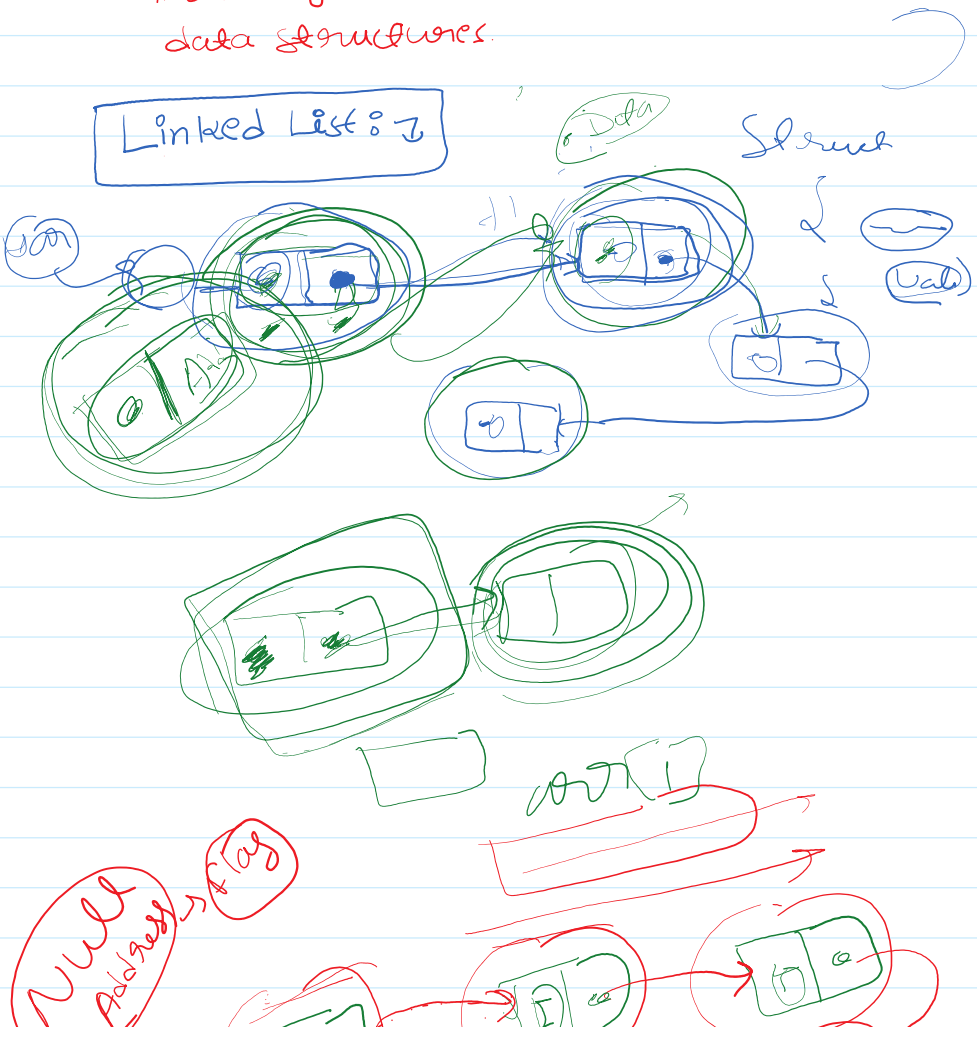
1 Byte = 8 bits

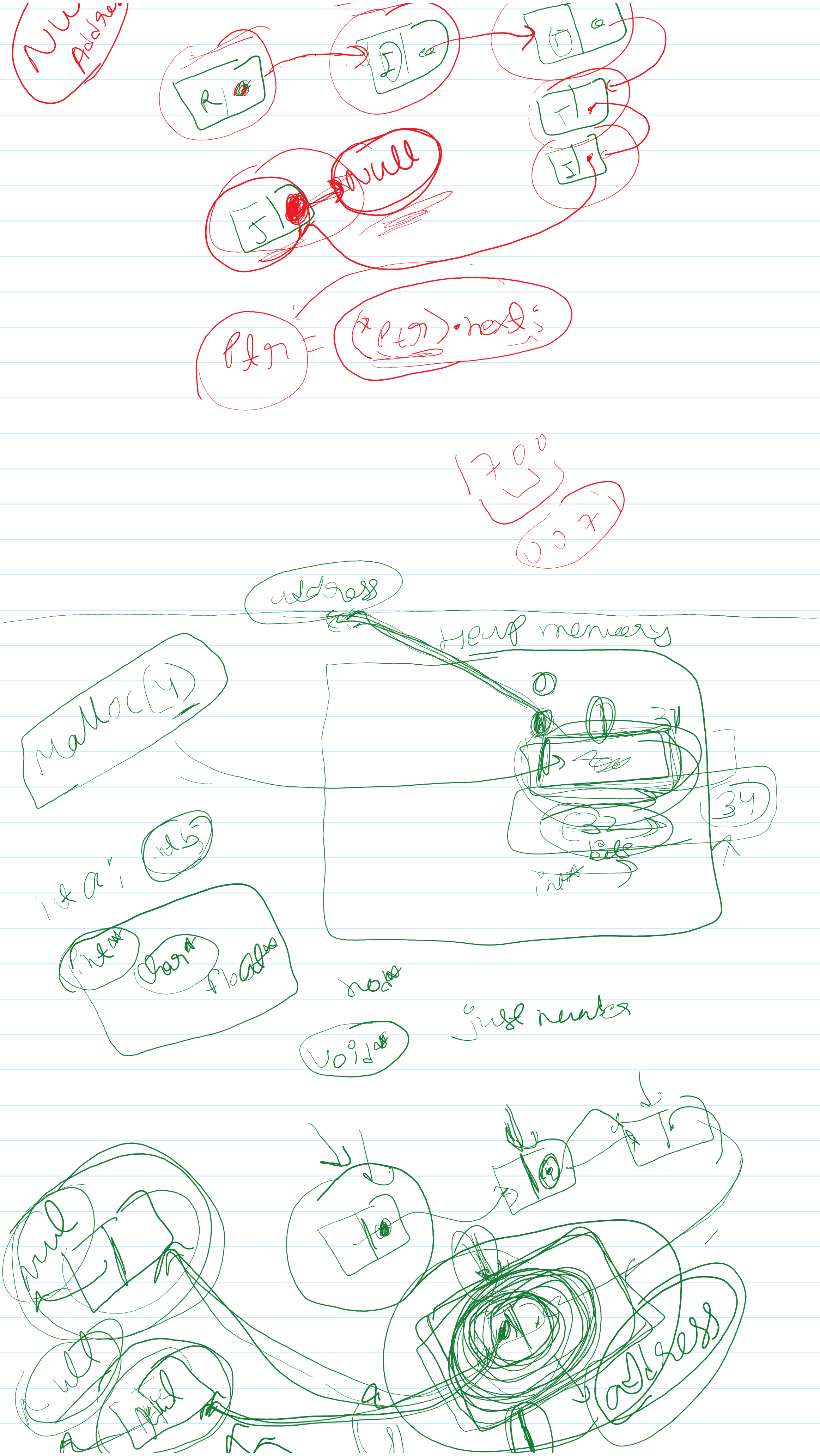
4 byte = 32 bits



What is data structures?

↳ The arrangement of data in memory is called data structures.




Null Address
R
I
O
T
J
Null
Ptr = (*Ptr).next;
address
Heap memory
malloc(4)
34
int a;
int*
char*
float*
node*
void*
just numbers
address