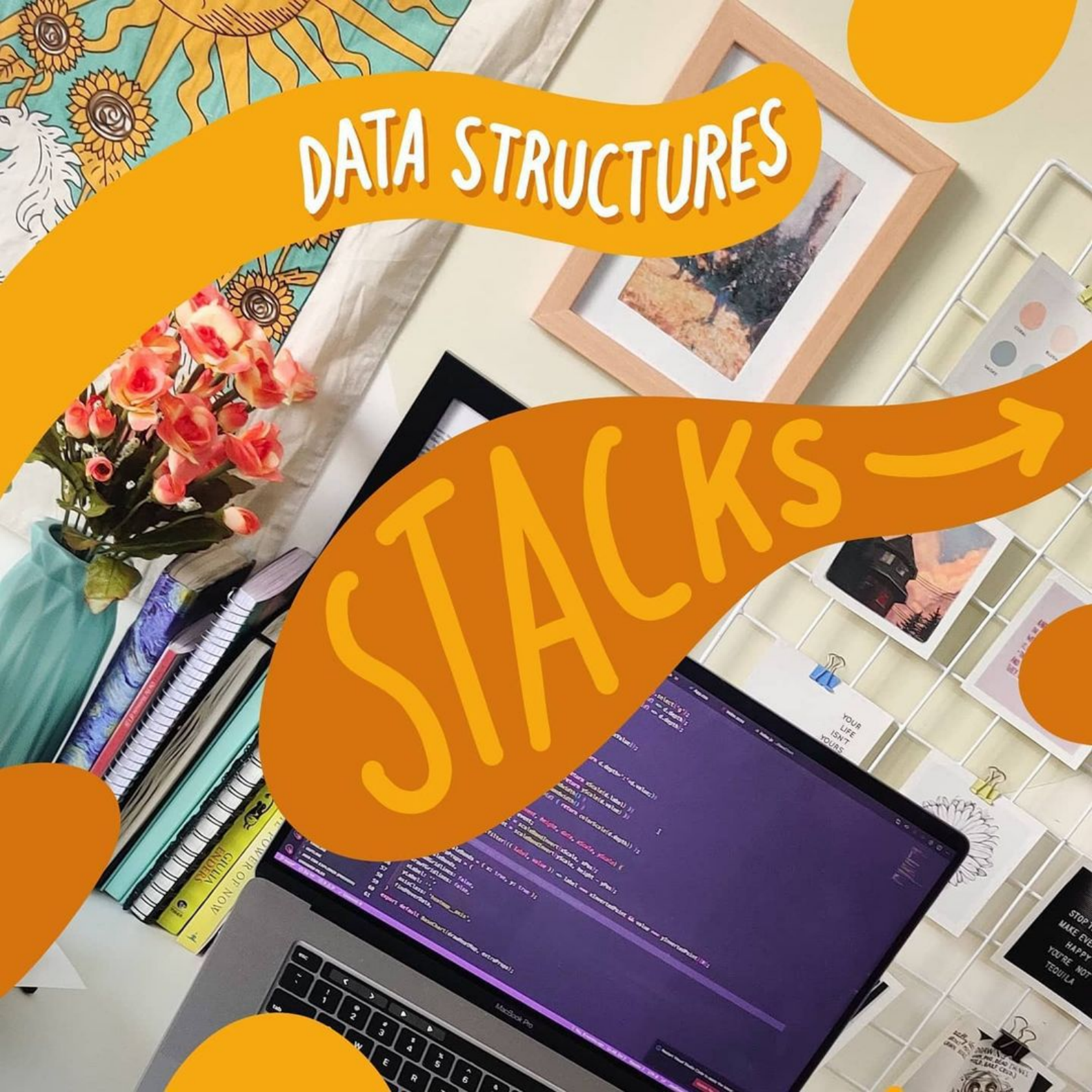

DATA STRUCTURES
STACKS

BUT WITH PANCAKES

SWIPE

STACK

IS A LINEAR DATA STRUCTURE

WHERE EACH ELEMENT IS CONNECTED TO THE PREVIOUS AND NEXT ELEMENT

STACKS are LIFO

LAST-IN-FIRST-OUT

LAST ELEMENT IS PROCESSED FIRST AND VICE VERSA

insertion

PUSH

top

NULL

empty stack

top

PUSH();

top

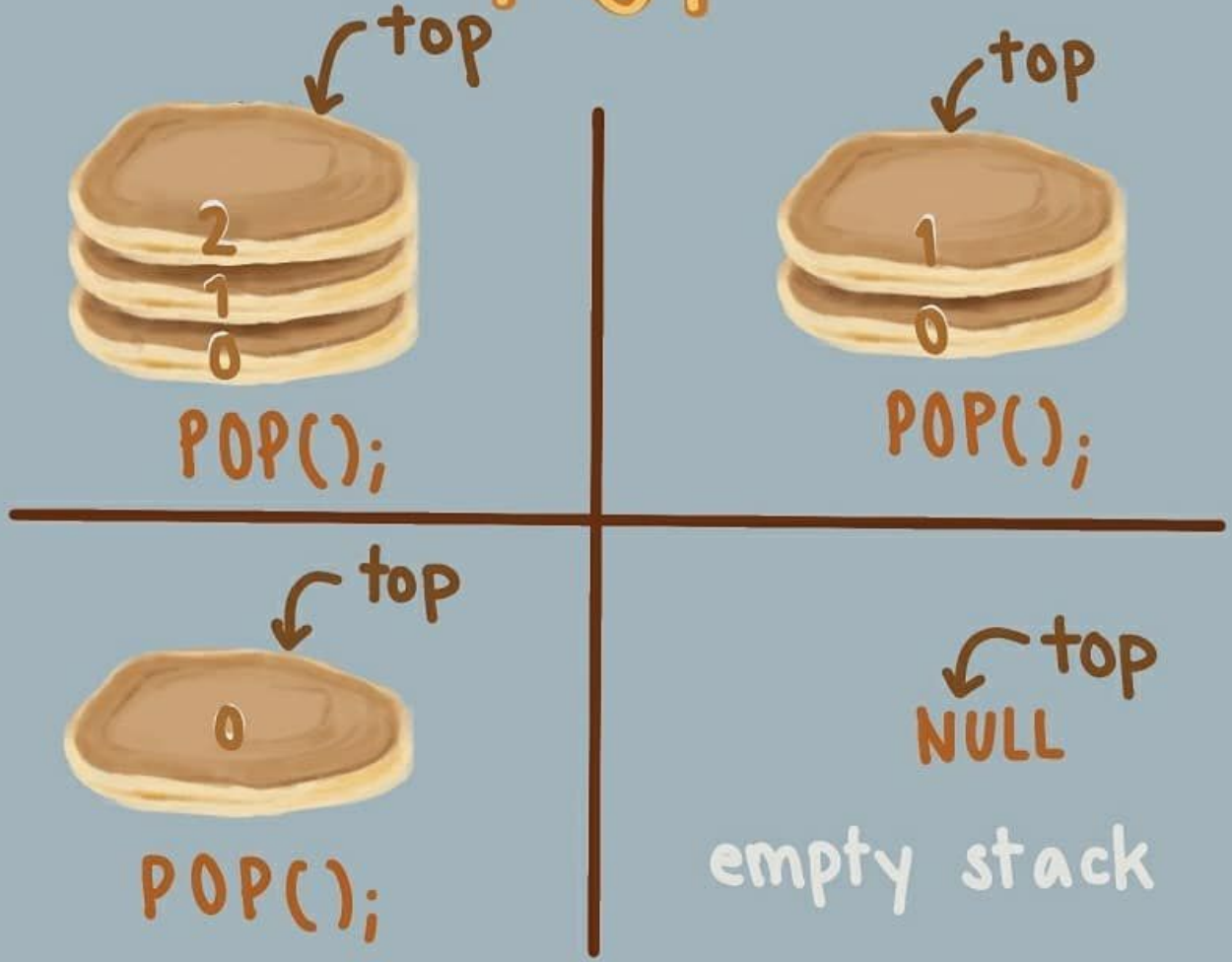
PUSH();

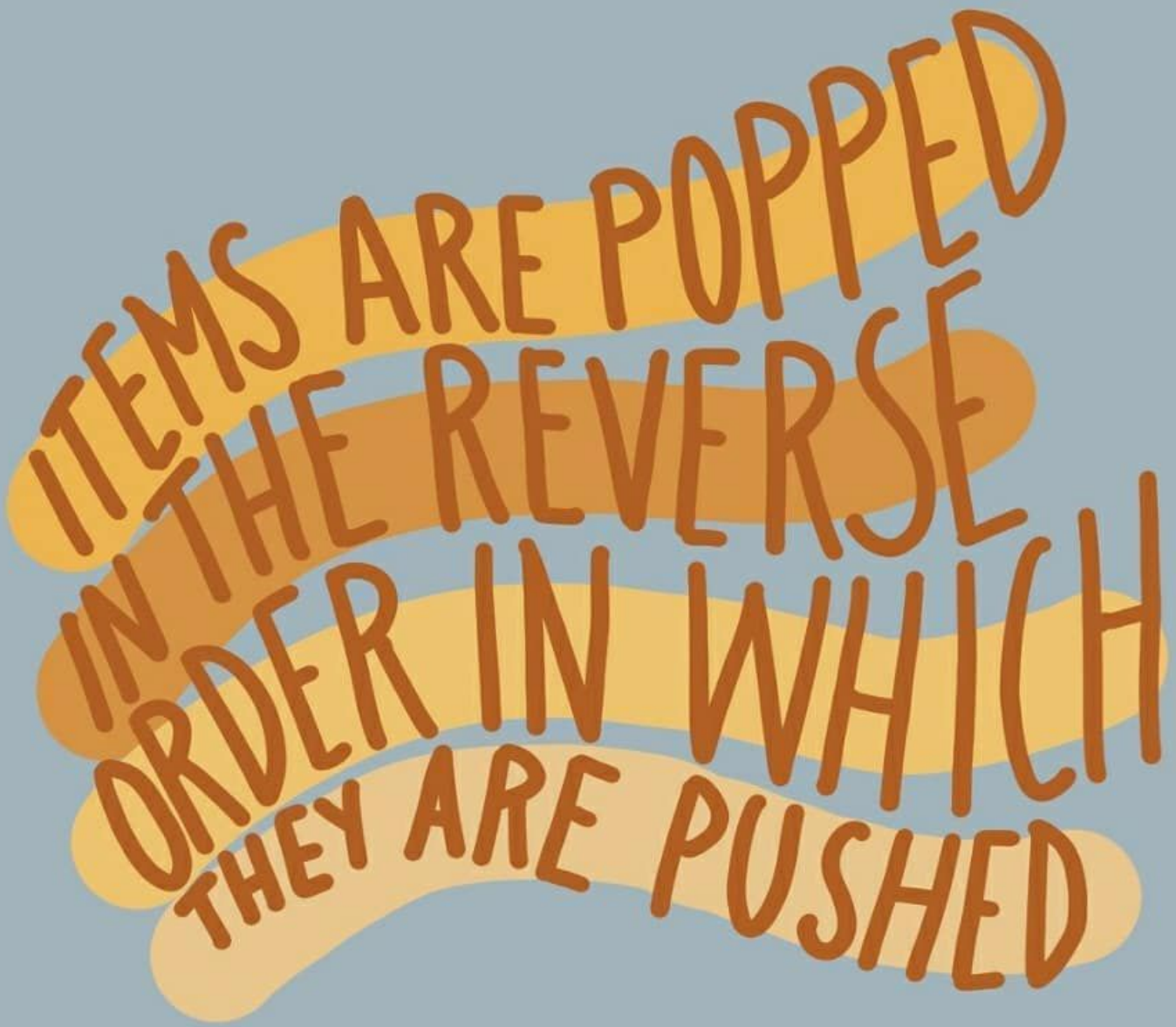
top

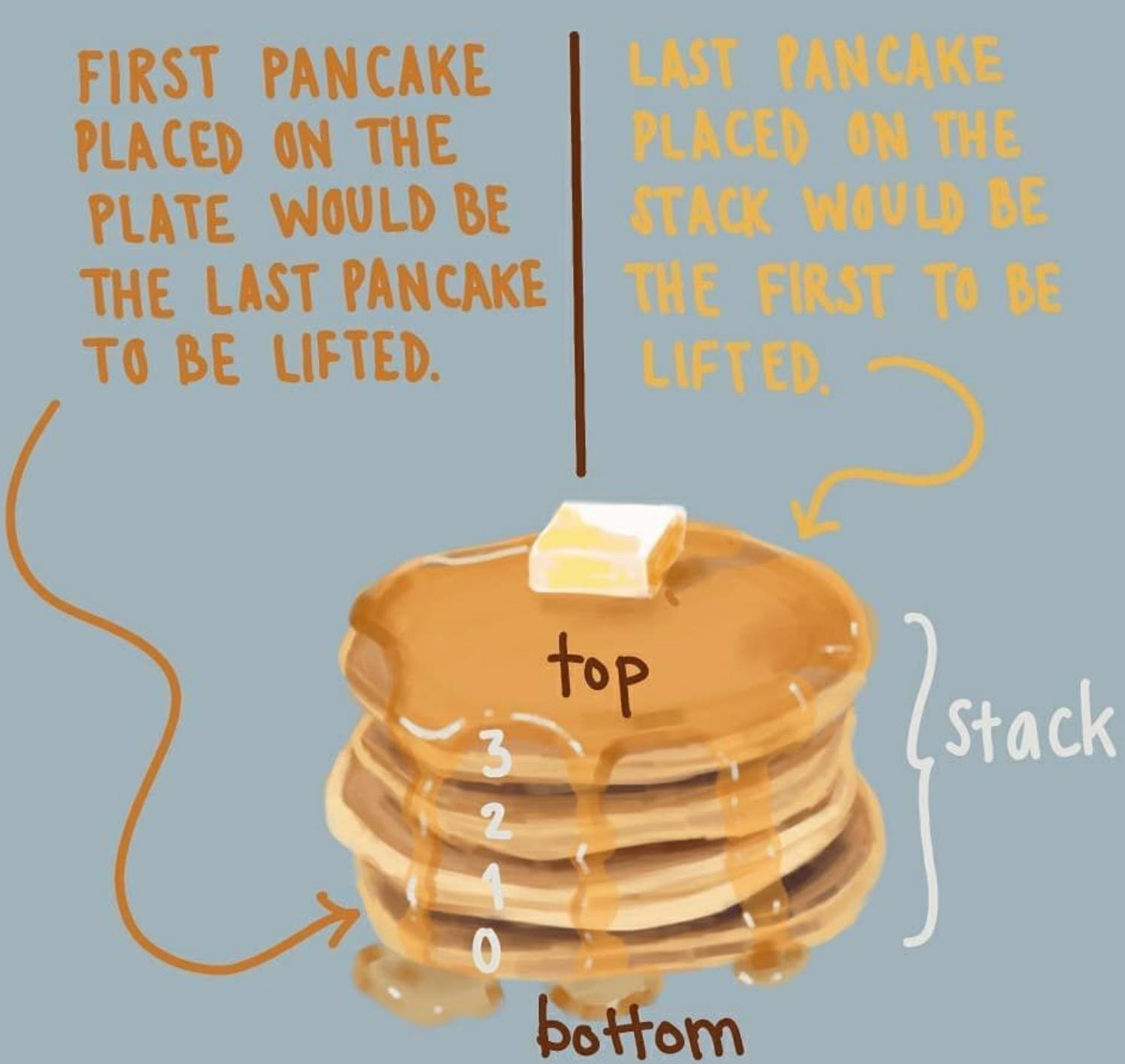
PUSH();

deletion

POP




ITEMS ARE POPPED
IN THE REVERSE
ORDER IN WHICH
THEY ARE PUSHED


FIRST PANCAKE PLACED ON THE PLATE WOULD BE THE LAST PANCAKE TO BE LIFTED.
LAST PANCAKE PLACED ON THE STACK WOULD BE THE FIRST TO BE LIFTED.
top
3
2
1
0
bottom
stack

USE
CASES

1. undo / redo implementation
2. reversing order
3. brackets balancing
4. forward / backward implementation

... and more