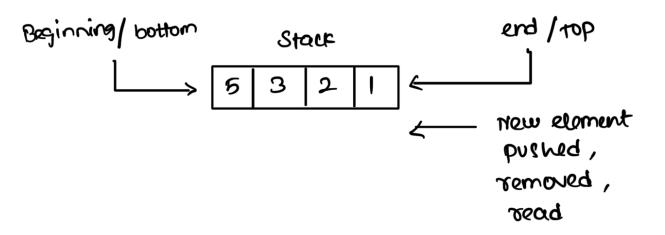
Stack and Queue

- Good for handling temporary data.
- Temposiary data is information that doesn't have any meaning after it.
- However, the osuder is which it is processed the data is impostant.
- Stack and Quew allow to handle date in order, and then get rid of it once it is not needed anymore.

<u> STACK</u> :

- stack stores data in the same way that array do, its a simple list of elements.
- It has three constraints
 - 1). Data can be inserted at the end/top of the stack.
 - 11). Data can be read from the end/top of the Stack.
 - (11). Data can be removed from the end (top of the Stack.

- end of stack referred as top, beginning of stack referred as bottom.



- Insorting new element into the stack also known as pushing into stack.
- All new element is inserted at the top lend of the stack.
- Removing an element from the stack is known as popping from Stack.
- element can be removed from the top I end of the Stack.
- Data can be seed from toplend of the stack.
- Stack operation is LIFO Last In, first out.

In Action:

eg: linter program:

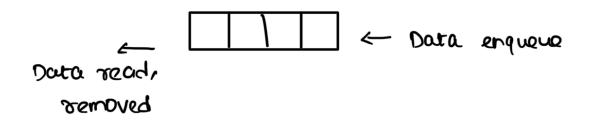
- Identify opening and closing braces.

11 TODO

QUEUE :

- A queue also deals with temporary data.
- Similar to Stack, difference lies in order.
- stories data in array.
- FIFO First In , First Out.
- Three restriction queue has
 - 1). Data can be instruted at the end/top of the Queue.
 - 11). Data can be read only from the front/bottom of the quewe.
 - (111). Data can be removed from the front/bottom of the queue.

front/bottom top/end



eg:

11 1000