DATE: __/__/____
PAGE: _____

Lecture 4

Stack

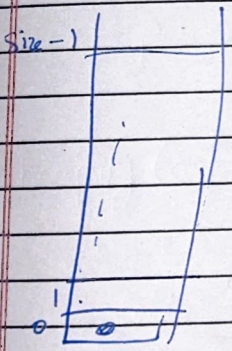
Last In, First Out

```
struct stack {
    int sp;
    int arr[size];
};
```

Total Memory = (no. of elements + 1) * size of one int

↓

because of sp



pop → removes top element
top → returns top element
push → add new element to top

Good Write

DATE: __/__/____
PAGE: _____

Address vs Value

Advantage: Pass the address in isEmpty and isFull to not waste memory.

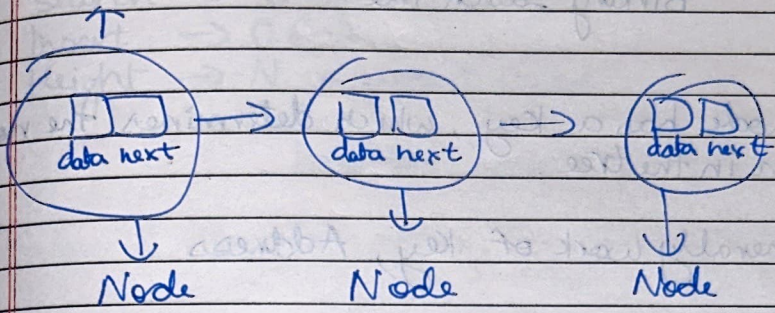
Disadvantage: ~~No~~ Chance of data being disturbed.

Queue

First In, First Out

DATE: __/__/____
PAGE: _____

Linked List



struct node will have some data and another struct *next pointing to the next Node.

Using linked list as a Stack

Good Write