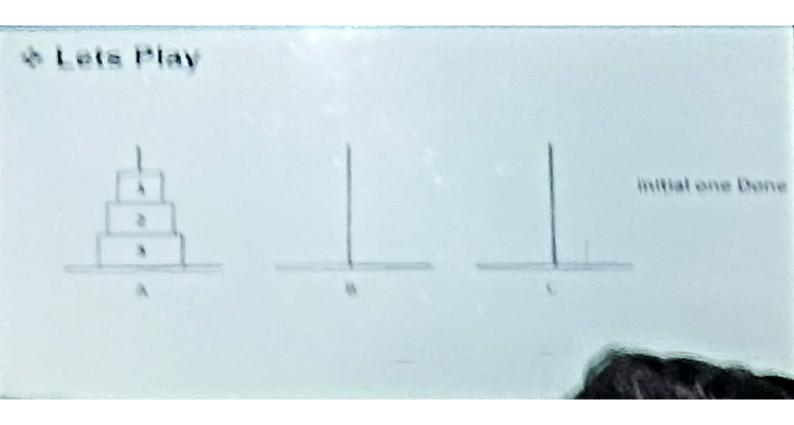
2.0 8. Array Rotation: o Question: Rotate an array to the right by a given number of steps. o Logic: Use array slicing or create a new array to rearrange elements according to the rotation steps. o Sample Input: [1, 2, 3, 4, 5] rotated by 2 steps o Expected Output: [4, 5, 1, 2, 3 

	Iteration: 5					
	Tower :		Tower 2		Tower 3	
	0	ПÜ	0	1	0	
	9	Ī	<b>1</b>	Ī	8	
	Ø	ļ	2	I	3	
		Iter	ation: 6			
	Tower	1	Tower	2	Tower 3	
V.	0	Į.	0	l	0	
	Ø	L	Ø	l	0	
	1	l	2	I	3	
		Iter	ation: 7			
	Tower	1	Tower	2	Tower 3	
	0		0	]	0	
	0	l	0	l	2	
	1	1	9	I	3	
		Iter	ation: 8			
	Tower	1	Tower	2	Tower 3	
J	0	1	0	ı		
	0	Ī	0	Ī	2	
	0	1	Ø	l	3	
PS (	:\lisers\m	ura\Do	cuments\n	lacemen	t training>	

			ation: 1				
	Tower 1		Tower	2	Tower :		
	1	ili	0		0		
	2		0		0		
	3	1	0	ļ[	0		
of new partition		Iter	ation: 2			eleka (	
	Tower 1		Tower :	2	Tower :		
	0		0		0		
	2	I	0		Ø		
	3	I	0	1	1		
Albertauri in		Iter	ation: 3			elata (	
	Tower 1		Tower :	2	Tower :		
	0		0		0		
	0		Ø		Ø		
	3	I	2	II	1		
		Iter	ation: 4				
	Tower 1		Tower :	2	Tower :		
	0		0		0		
	0				0		
	3	1	2		0		

E-9	- Indian	
57	10 Town of he	not mobiles using chack implementation
	is. lower of ne	noi problem using stack implementation
159	10 11-6 7 0	
	The second secon	roblem using stack implementation
	THE RESERVE OF THE PARTY OF THE	ltr, 3 Ltr, how to make 5 ltr jug to 4 ltr without
	any measureme	nt
62		
63	5 ltr(fill)	3ltr(empty)
64	2 ltr	3 ltr
65	2 ltr	3 ltr(empty)
66	8	2 ltr
67	5 ltr	2 ltr
68	4 ltr	3 ltr
69	0.230	empty
12		clipty



#### Objective of Program?

- 1. Here We have three pipe and n plates
- 2. Objective is to move entire plates from pipe A to pipe C



```
class Stacks{
        final int CAPACITY=10
        int top=-1;
        int stacks[] =new
public boolean is ull(){
        if (top>=CAPACITY-1) {
                 return true;
        else{
                 return false;
        }
        isEmpty(){
        push(){
        1
```

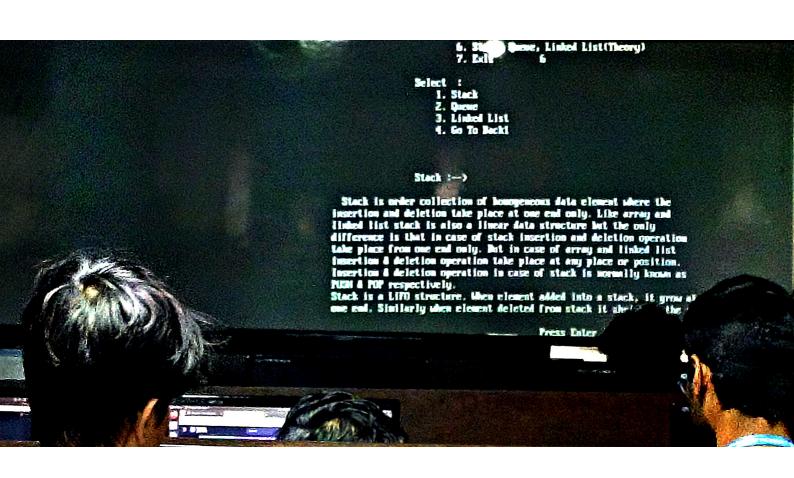
```
class Stacks{
    final int CAPACITY=10
    int top=-1;
    int stacks[] = new

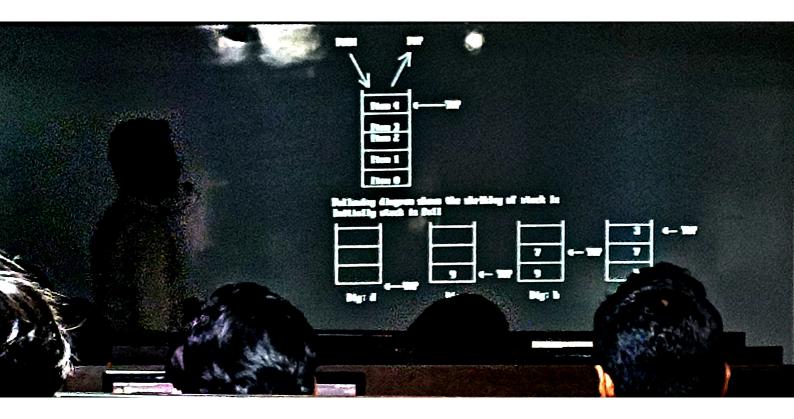
public boolean isFull(){
    if (top>=CAPACITY-1) {
        return true;
    }
    else{
        return false;
    }

isEmpty(){
    }

push(){
```







Operation on Stack :-- >
On stack we can perform the following operation.

(i) Initialize():-)
Its a function or operation which is used to make stack empty.

2) Dupty():->
It is used to determine whether stack is empty or not.
If TOP ( 8 Then
Stack is empty

If TOP >= If Then
Stack is full

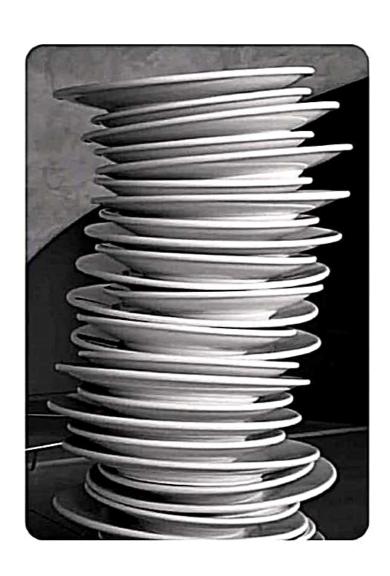
4) PISM:->
It is an operation which is used to insert new ITDM into a stack,
if stack is not full.

5) POF:->.
It is an operation which is used to remove topmost ITEM '
if stack is not empty.

Barry Valor

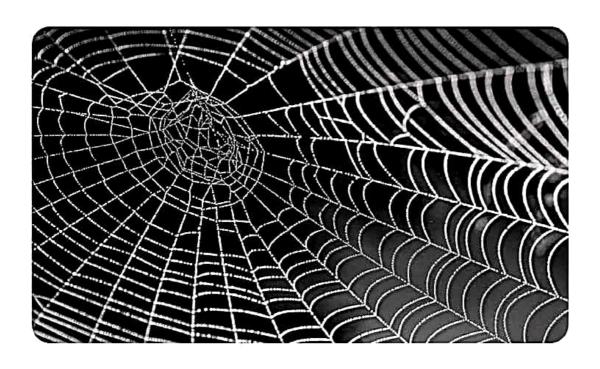
### Stack

new plates are added from the top and also removed from the top



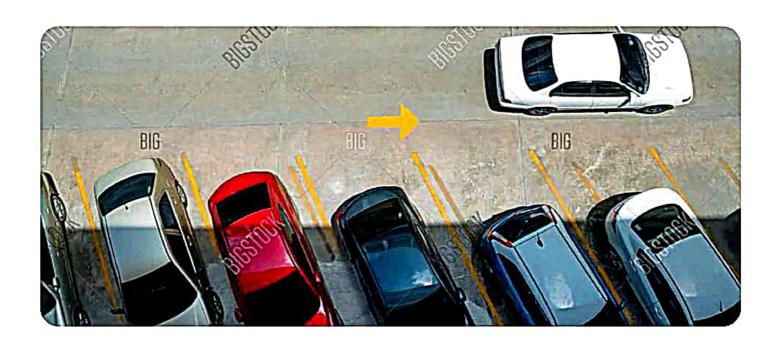
## Graph

a spider web



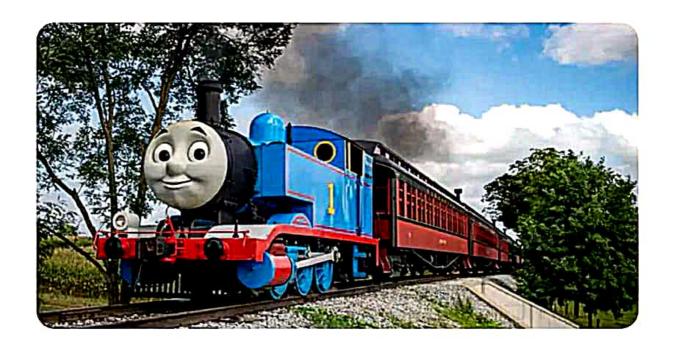
## Array

### cars parked in a single line



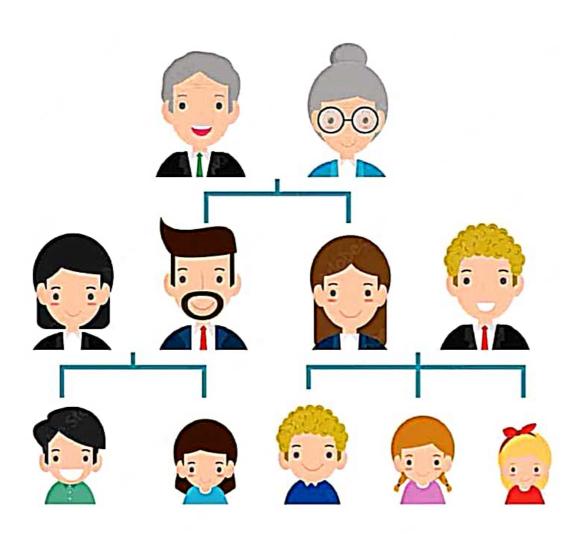
## **Linked List**

#### a train



### **Tree**

### a family tree



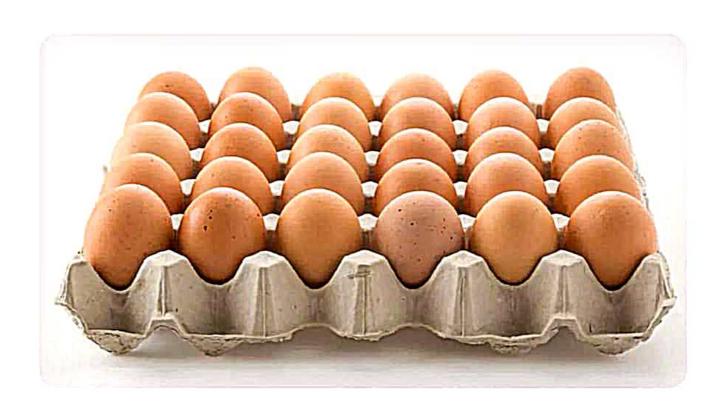
### Queue

waiting in line to buy coffee



# 2D - Array

tray of eggs



# 3D - Array

#### rubiks cube

