

CS & IT





ENGINEERING

Operating Systems

Process Management

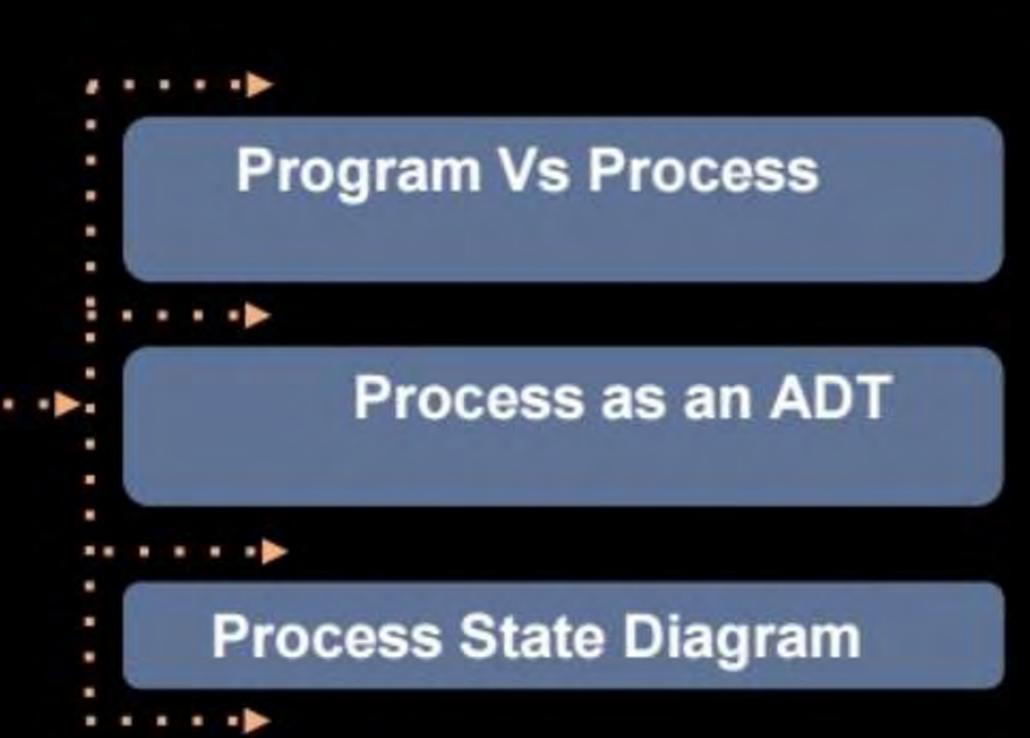
Lecture No. 1



By- Dr. Khaleel Khan sir







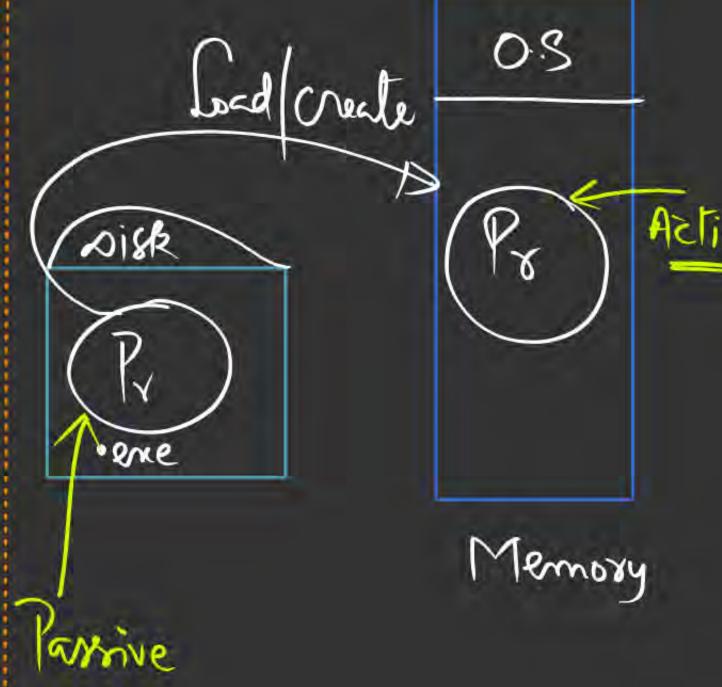
vs Process Logram · ene ons Code Static Dynamic Load D Fixed Fixed more Variable Known (Kwamu / myswamu) Store -> R.T albotation bbA - allocation is bf R.T

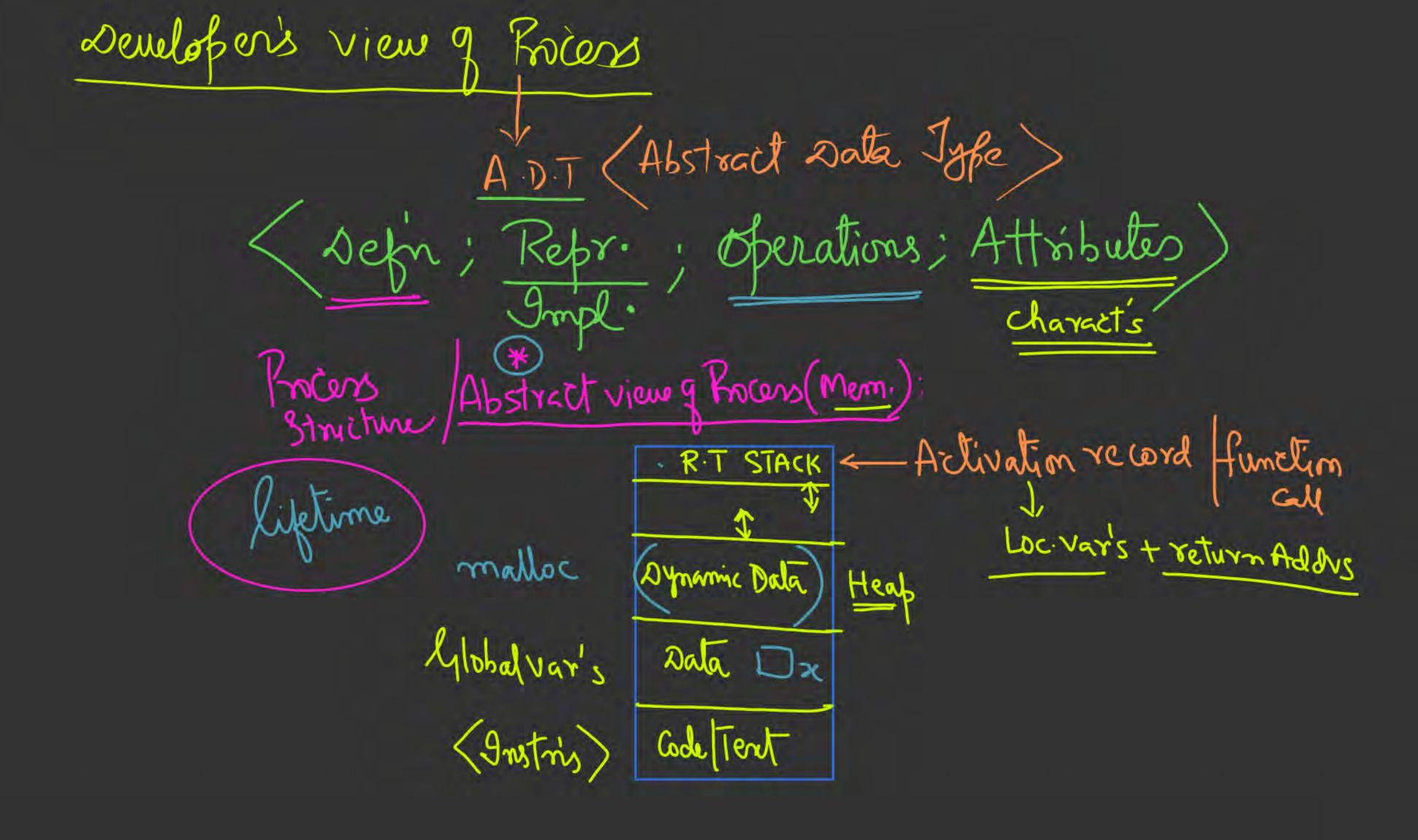
Static mam 2B (R.T) (Static) malloc (Size of (int)) ph = (int *) RI

Dynamic Trays main (int m, A(m); Scanf ("/d", sm);

Simulate/Emulate the creation of synamic arrays in c/c++...

int n * * ptr; Symanic array -> Program in execution -> Instance q a program -> Active entity -> Schedulable Dispatchable unit Cours of Control (of 0.5) Animated Spirit

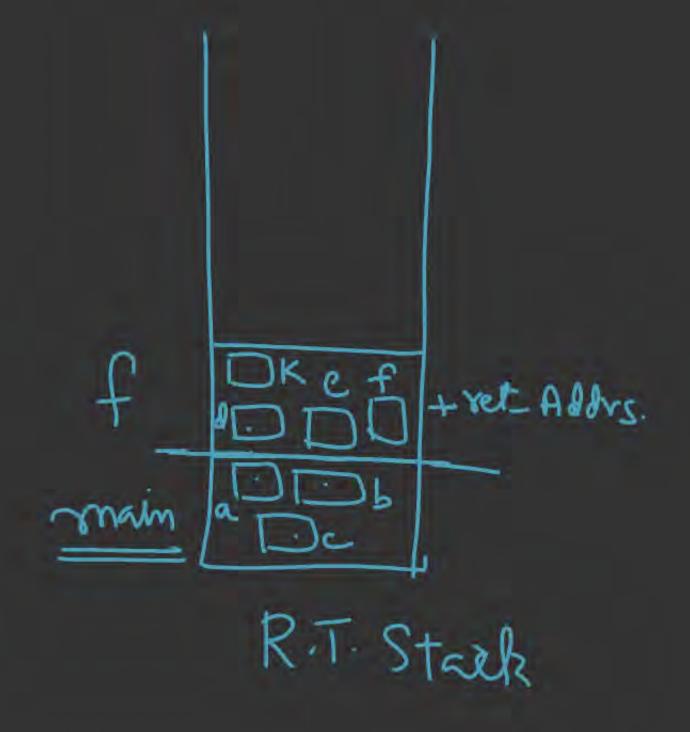


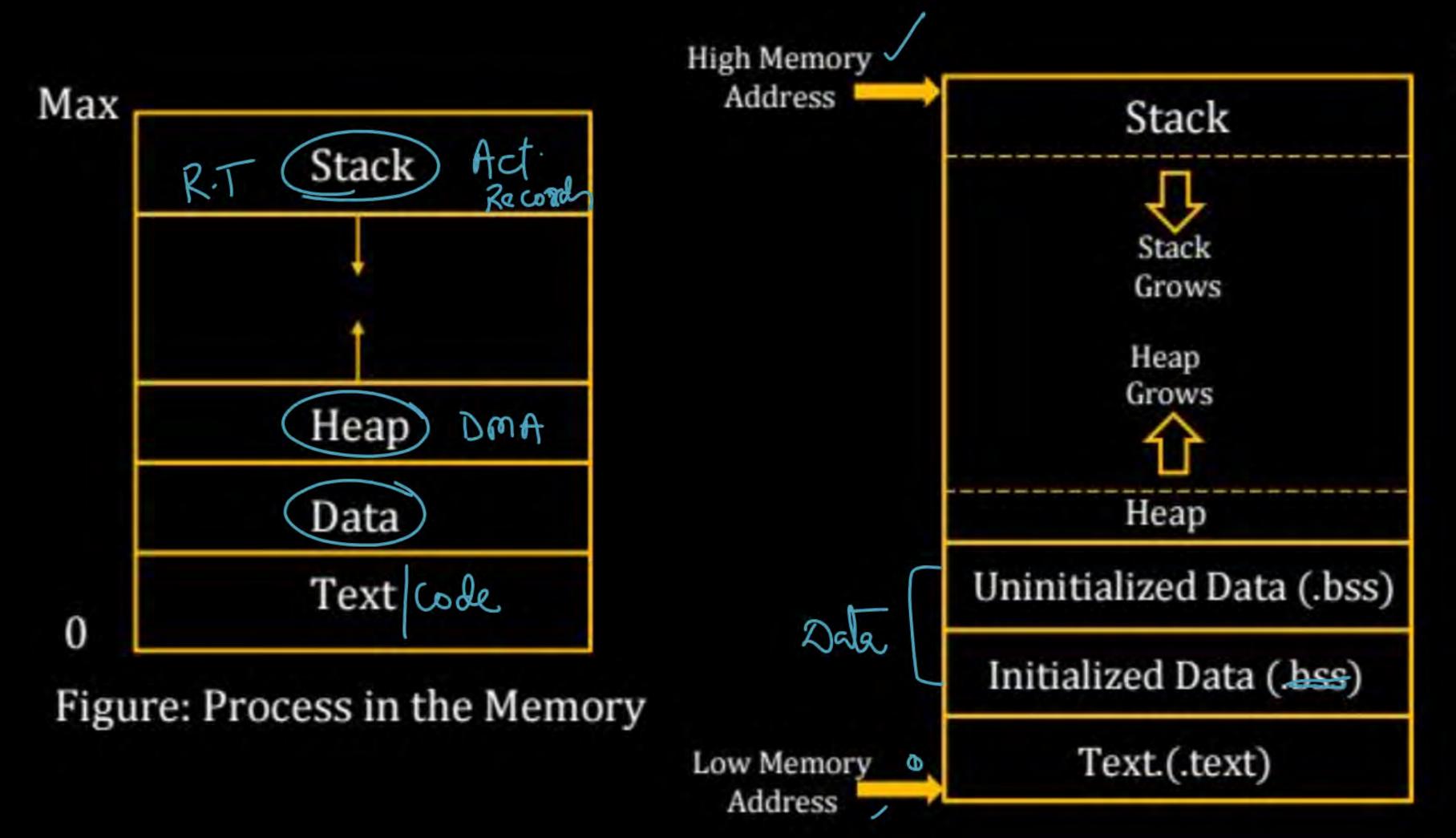


int x; main () inta,b,c;

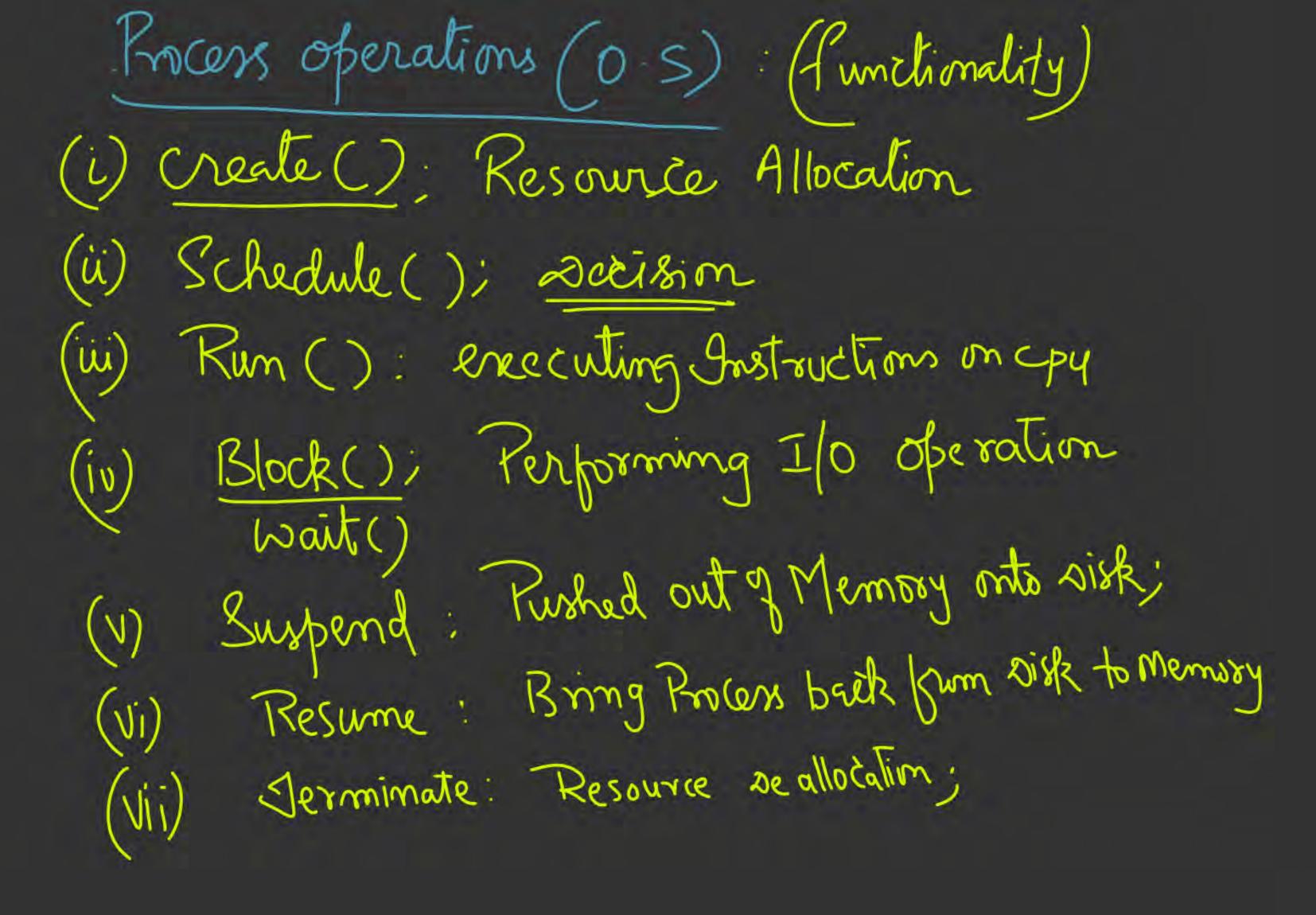
f(int K)

fint die,f;









	Process	Attails	utes				
) \	Identifica	tion:	Proc. id;	P Pid;	90p-id		
	СРЦ		PC ; 9e	m-Regist	er Process	_State;	Lyisoity;
)	Truck		Process I	ube: F	Burst_time		Process Desc

3) Memory: Size; Memory limits; ... PCB (Proces Control

4) File : list op open Files;

5) Dervice: 11 11 11 services;

6) Accounting: other resources.

/	Pid		Block)
	State	Priority	
	Size	File	(CONTEXT)
	Delire		
		/	

Process Descriptor

P.C.B

Pointer

Process State

Process number (1)

Process counter

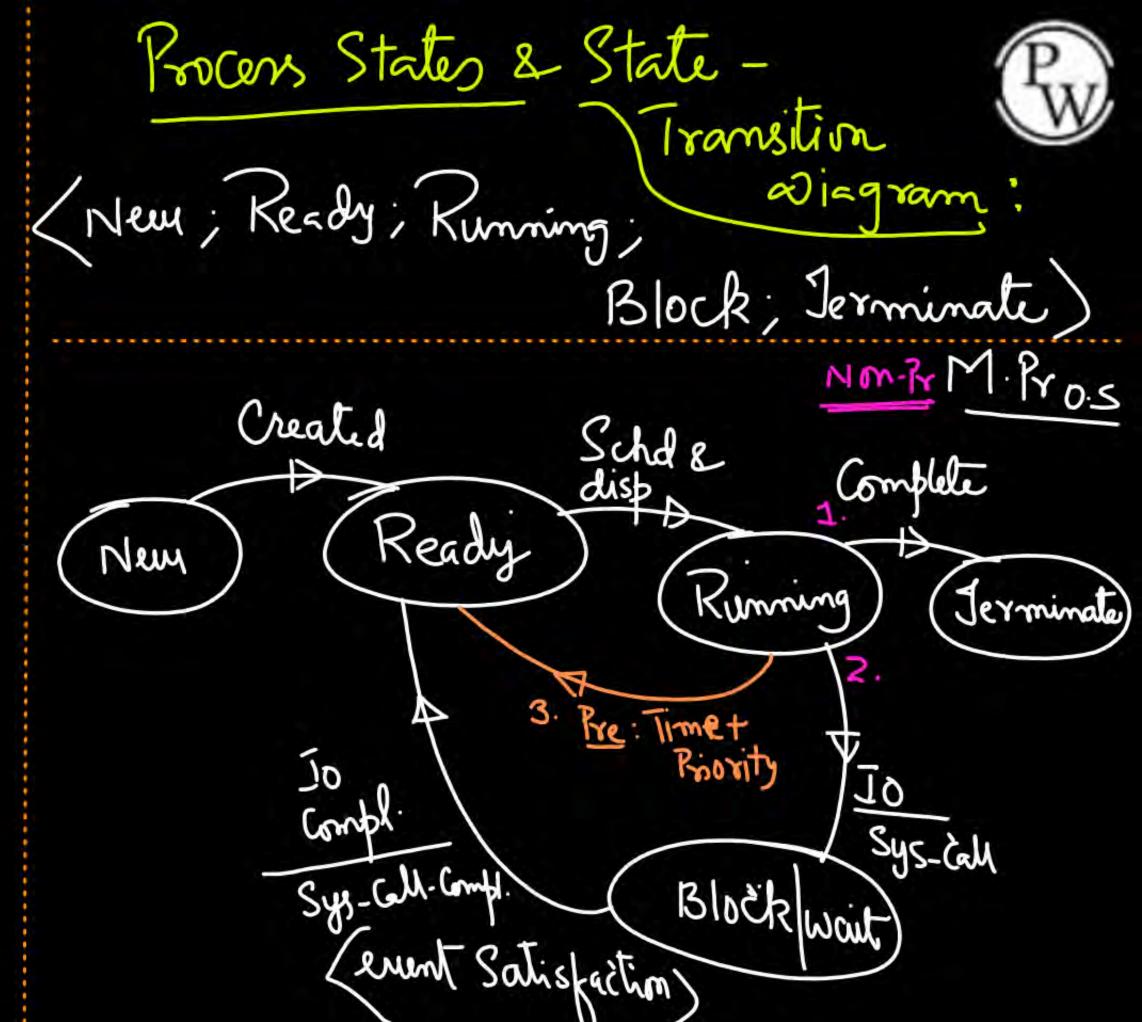
Registers

Memory Limits

List of open files

...

M. Pr RY



Uniprogrammed 0.5 State-wiagram

creete Completion New Running Complete Satisf. Block wait



