Lecture-11 BDU	Date 19/02/18 Page			
	Process synchrowization -  - Processes that don't run independenty, i.e., need poure  mand resource / info need co-operation from other processes.  - Producer process - fills the buffer; counter +;			
	- Courine proces - cousines the buffer; courter;			
	Producer Conniner			
	while (strue)  " while (strue)  " while (strue)  " while (counter == 0)			
12				
<u> </u>	buffer Gn] = nept Produced; nept Consumed = buffer [our]			
	in = cu+1; out = out +1;			
	courter++; courter;			
	3			
	Andrew Commencer			
. 4	To: leg1 = counter			
i A	n: alg 1 = regt + L Put the ortion Race			
	T3: leg 2 = leg 2 - 1  The consistency of data			
	I COUNTY - NEAT			
W.	75: counter = reg 2 = A multiple protesses			
	work on salve one			
	Race condition: of situation that evalue incommency in data  due to access to same address space to topo or more process  nimeletaneously.  Critical section-Code Partion of the process where they work on common reactables reposite spaced files, tables etc.  Here, counter is the critical section  Rest of the code - remainder section  artry goit section.			
	To achieve synchronization -			
	· Mufuai Enclusion			
	· Bounded walting			
1000				

		~		
	Mufual exclusion - bulgiantees that when	the process is in the		
	critical section, no other process enter that critical ection.			
	e in the second			
	Progress - If no process is executing in the critical section,			
	if some morenes want to enter the critic	al section, then we		
	relact only those processes which are m	d- working in its		
	semaindu section.			
	A A A A A A A A A A A A A A A A A A A	. 1 12 1 2 1		
-1.73	Bounded welling - If a process is waiting for too long to get			
	enter its ruitical section, while other			
	& epiting the cuitical section, this show	d' vilat		
white and	wowting time of a process should be person Algorithm	limita.		
exum exp	do y	Pr finished its 55b.		
V)P	magail = Peue;	turn indicates that		
9	tun = j;  while [flag G] & tun == j);	proces Di is allowed		
0	interior while (stag G] It turn == j);	to execute in its chitical		
) 33.	gray // (ritical section	ection.		
\$.	flag [i]= Palu;   -> Epit secron	play indication Pi is		
	1// Remainer section	ready to enter with car		
	3 while Chriet;	tection.		
(1)	Secretary that the second second second	( ) ( ) ( ) ( ) ( ) ( )		
a de	asees of white breaks with			
		NINGOT DE LA CONTRACTION DEL CONTRACTION DE LA C		
	flaggij = ome;			
	W			
	while I flagted & turn == 1);	Alexander of the second		
	// Critical Section	their world		
	[frag [f] = false ] -> Exit seer	hu		
	M Remainder yerron			
	3 while Come);			