

. Synchronization between produce - wse three separate sema	phoves.		
int Cou			
void consumer (v.10) o	Vold Producer (Vo. 2)		
1	{ int temp,		
int Ptem C. out 2. while (true)			
while (true) is a produce item (temp) while (cornt = = n).			
while (ount == 0); 5 Buffer (in) = temp; iten (= Buffer (aut): 6 in = (intl) mod n;			
count ti			
aut = (aut+1) mod n; 7	7 7		
count = count -1,-	3 3.		
Process item (items)			
	The state of the s		
- Print - Spooler Problem.	Spooler directory		
	1 7 1 7		
1) hoad Ri, m[in]			
2) Store 50[R.], "F-N"	- Janna		
3) ZNOR RI			
1) Store m[in], Ri.			
	10 11		
Problems.			
· Process wither to print a file	In O		
so, 9+ adds name in spooler	Maria Sala		
directory.			
· 2 process are in same Slot			
den Con.	The land the same of the same		
	× 101		
÷			
	,		

e contract section Mutual			
Critical > Part of program where Shared memory is accepted			
·- Race Condition · Several process accept and manipulate lame			
Olivectory or oliver no two processes			
are in critical region at			
Critical Section Problem Prob			
Cretical Section (main C)			
Should execute Non-critical Ryy entry section, then section			
Section. Section Forty section			
entry Section, then			
Section, than P2 Should not			
· When out of CS			
- Synchronization mechanism:			
Condition Rules. (F1) Mutual exclusive - Pr is in Critical section. (F1) Mutual exclusive - Pr can not enter crictical section.			
Progress - P. Wanna enter critical section. P2 Role rate by. Progress rate by yr. • No process shared been other. Progress rate by yr. • No process shared been other. Progress rate by yr. • No process shared been other. Progress rate by yr. • No process shared been other. Progress rate by yr. • No process shared by the section of the section by			
(1) No assumption related to this speed >			
E A			

ania a cection	and a cotion a process should tenow			
Before entering Cretical Section, a process should know of aprendy an cretical Section or not				
of Lock variable (for solving evitical section problem)				
- Lock Ville				
do Jacquire Pock	, while (LOCK =] ; I may			
e'	2. hock = 1			
velease lock 3. Critical section				
4. hock to. Exit				
execute in User mode				
Multiprocess solution Problem: - It Presented Dine Land				
No mutual exclusion. Then there is emergency le chaly gya rahun. Pr aga and critical				
a te king phi p ays				
it will executes and sine aux wo bet Critical section man.				
mutual exclusion is finished.				
VIII.				
- Torn Mariable (strict Alteration) -> turn wise.				
· 2 process solution Coney for 2 process)				
· execute in user mode.				
. Mutual execution ~				
1 1 23 7	Process Po	Process Po		
b/c of while	(turn 1=0);	while (turn!=1);		
Pi to yok rahe extical section		Critical Section		
ofter critical turn=1;		turn = 0;		
· Bounded wait /				
. taking turns is not good iden if one process is soon.				
· Process 1 turns but maybe it is not interested.				
→ Sorting.				
b while (true) [1] = True;				
introloj=1902)				
Ocadlack.				









