

1) Phacel State diven code	4)	Phase!	State	diven	cat
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to It uses nested it then statements, case-statements or a finite state automation to break up the processing of a bunction into discoule code segments.

This allows temposary suspension of code segment without loss of cottical doto.

Procedure task;

begin

case flag of

1: bagin

perform part 1)

end

2: Legin

perform past-2;

flag:=3

endend

8: begin

Perforo part 3;

flog: = 1

ana

end.

At the end of each state a flag is set and the process is teornaled. Upon restabling, the process resumes whose it loft off.

. 9806521014

5 Codoutines'-

In this scheroe, two as more tasks are coded in the state- driven fashon, just and affer each phase is completed, a call is made to a central dispatcher, The dispather holds the pargauno coupled for a list of tasks that are executed in round robin fashion ie H selects next task to execute. This task then executes until his next phase is completed and the central dispathed is called again,

#If there is only I task, then Pt becomes , cyclic. It The. communication both took is achieved by global variable.

vob task a (void)

void task b (void)

footisustch (state-a)

switch (state b)

case1: phase a1();

skle d'21 /* to dispatches */

cases: phase 510; boeak;

cace2; phace-a2();

case 2! | shore- 62();

was;

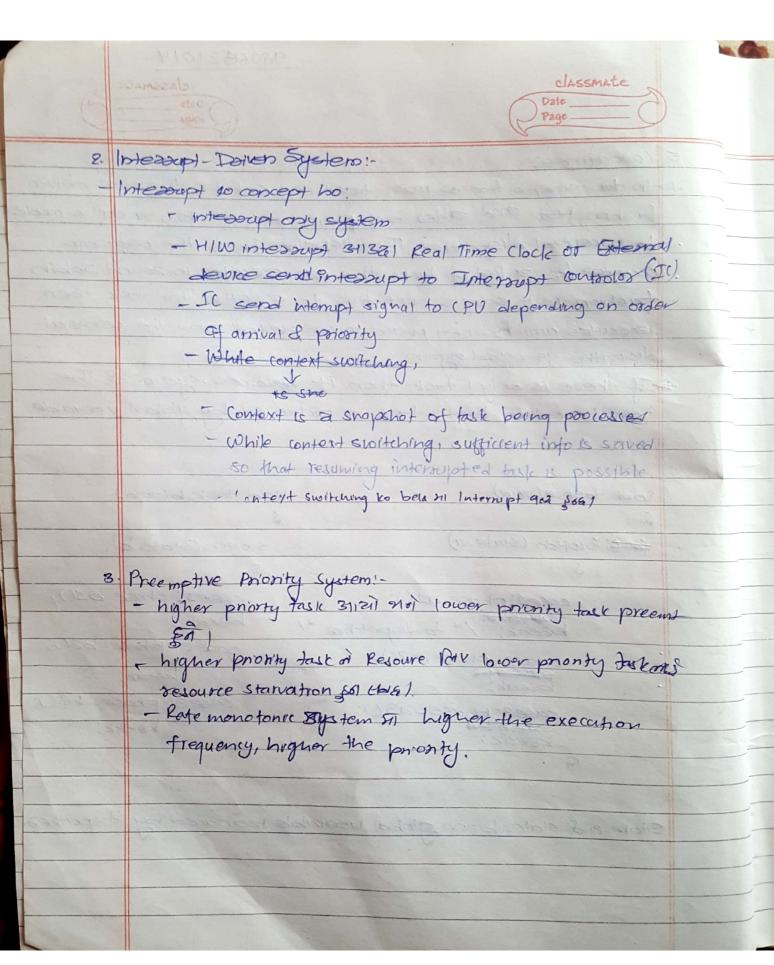
cases: phase-23U;

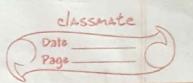
stated 14;

cases: phase_63();

weak;

State-ad state-base global vasiable roanaged by dispathed.





Since 0.720.7568. Thus these along

	Pa Pa	ge				
9)	Hybrid Schaduling System:					
	1 Combination of preemptive & round robin.	scheduling				
	O combination of preemptive & round robin scheduling > same priority bandled with round robin fashion. (O combinations of interrupt & tixed rates or not tixed					
	10 combinations of intermed a tixed rates	or not tixed				
- 13	rate. (sporadically).					
	(8) combination of foreground of backgra	and systems				
	8.8(a) 6.8(a)	P. P. P. 18				
#10	The Task Control Block Model	3 9 9				
		8-10				
	Rate Monotopic Algorithms!					
	Rund G Knowal Time Penny.					
	P 2 . 20 10					
7	P 1 0 5					
	B 5 0 30					
	Pu 2 0 15.					
	Here N:	2 4				
		1				
119	Least Upper bound of utilization for scedulabil	- 4(2 hu-1)				
	1 1111 HOWER P A P 2	= 0.7565.				
	Now; VHIIIzation of P1 = 0 17 = 2 -					
	1111 0 0 - T- 2 1					
	Uhlahon of 12 = 12 = 1					
	$P_3 = \frac{7}{13} = \frac{3}{30}$					
	19 15°					
	1 Total Utilization = 2 + 1 + 5 0 2 n 7					
	1. Total Utilization = 2 + 1 + 5 - 2 2 0.7	20.7568. Thus those				

pacesses can be su

