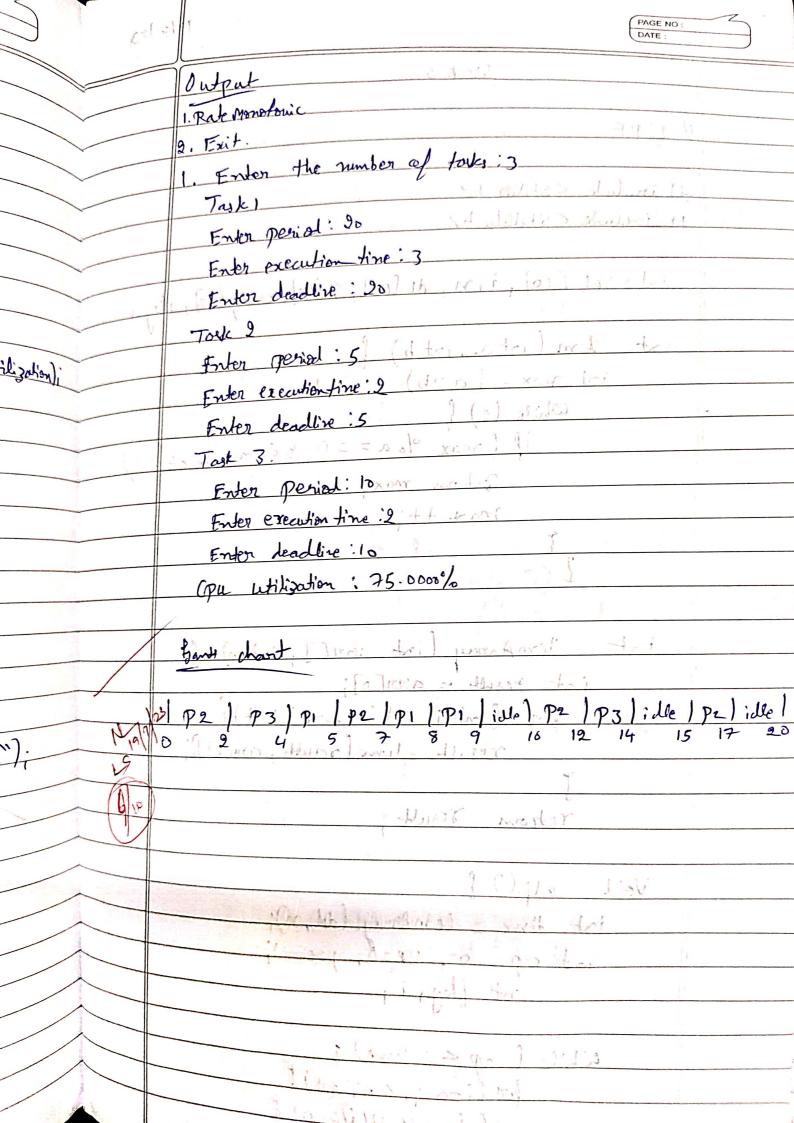
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	Won'te a Coprogerim to Andade Deal-Time (po Scheduling
	algorithms:
	a) Rate - Monotonic lass series
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	Hindule < States De
	H define MAX TASKS 100
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	typedel Stevet [
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Mr. H.	use wint period; 1. intelling 1" 1 1111
	int exectine;
	int deadline;
	I Tork; I December 1 and
	i or grant dei
	Most CPU-Willization (Task tocks[], intn) &
	float tatal util = 0.00; 10 1
	for(inti=0); i cn; i++) }?
	float task wil = (float) task [i] exectine / task[i]
	(fotal-util += tark-util; Periol;
7	- Lande
	floot cput wil = total - wil & 100;
100	made profest) Herretzonil repu-util;
	9
	Void rate Mandanic ()
	,
	int n, i;
	point (" Enter the number of tasks:);
	Scanf [" 2/od", En);
	Task tosks [MAX_TASKS];
1	
	los(i=0; i=n; i++) {
-	Perint ["Tack % d (n", i+1);
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	"),	
9. 1. (1)	point ("Enter period: ");	
	to to the total	
	Devil 1 "Enton Execution time.	
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	Do of 1 " Enter deadline.	
	Scand [" Olad & taby[] deadline)	
	tasks [i]. pid = c+1;	
	I to the later	
	float com wil = com whilizations (taskes, n);	
	print ["(pu whilization: %. 4 & % % %) \n", (pu while)	
	e include	
	include to	
	Void main () {	
	înt choice, n, i;	
	parith (11. Rate mondanic Ing. exit \n\n");	
	while () } - Id. I id. I took	
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1 bode 1 +	La Sheitch (Choice) Eland And	
_ (k . 5	case la vatemonateur ();	
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	default: paint ("wrong choice hi)	
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	16 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Tour hart TASKS	
	Alutina i on look	
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```
Enter the execution time and period for task 1: 1 10
Enter the execution time and period for task 2: 2 5
Enter the execution time and period for task 3: 3 20

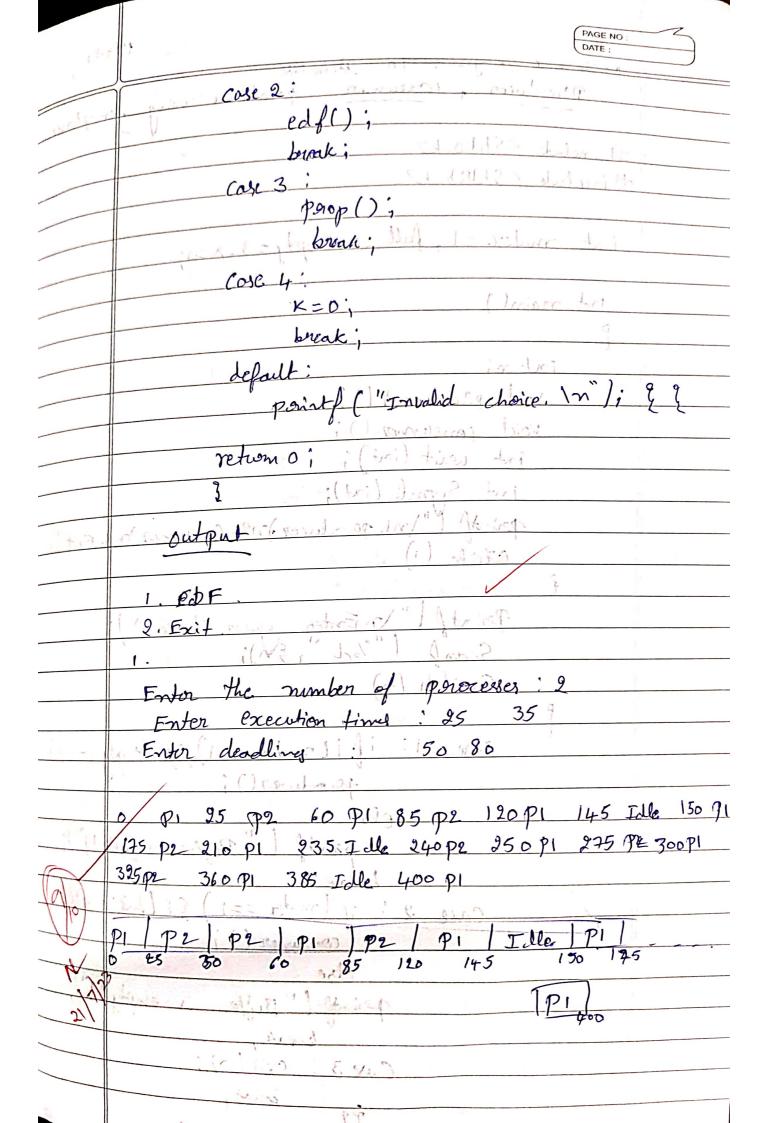
Task2 -> starts:0.000, ends:2.000, execution time:2.000, period:5.000
Task1 -> starts:2.000, ends:3.000, execution time:1.000, period:10.000
Task3 -> starts:3.000, ends:6.000, execution time:3.000, period:20.000
```

Enter the number of tasks: 3

DATE Week-5 DED.F Himchade 25tdio. 17 # include CStdlib. h7 int et [10], i, n, de [10], p [10], ready [10], Mage, int dem (inta, intb) int max = (a > b) 9 a b) while (1) { 3: settlet od if (max % a = = 0 & & max % b = = 0) max ++; single me week int dem Assay (int april]; int n) [1 por a (intri) = 1 jei zm (i++) 2 + 5 in result - lim (result, and [i]); return regult Void edp() { int time = lcm Armay (dd, n); int op= 0, pr=8, pre=-1; int flog, i; aghile (op <= time) { for liso; (mitt) { if (op % d1(i)=-0) \$

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· Andy



Enter number of tasks:3 Enter Task 1 parameters Arrival time: 0 Execution time: 2

Deadline time: 5

Period: 5

Enter Task 2 parameters

Arrival time: 0 Execution time: 3 Deadline time: 8

Period: 8

Enter Task 3 parameters

Arrival time: 0 Execution time: 1 Deadline time: 10

Period: 10

CPU Utilization 0.875000

Tasks can be scheduled 0 Task 1 1 Task 1 2 Task 2 3 Task 2 4 Task 2 5 Task 1 6 Task 1 7 Task 3 8 Task 2 9 Task 2 10 Task 1 11 Task 1 12 Task 2 13 Task 3 14 Idle 15 Task 1 16 Task 1 17 Task 2 18 Task 2 19 Task 2 20 Task 1 21 Task 1 22 Task 3 23 Idle 24 Task 2 25 Task 1 26 Task 1 27 Task 2 28 Task 2 29 Idle 30 Task 1 31 Task 1 32 Task 2 33 Task 2 34 Task 2 35 Task 1 36 Task 1

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38

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Task 3

Idle

Idle 40 Task 1 Initial Numbers: 3 4 6 5 4 Decrementing number at index 4: 3 4 6 5 Decrementing number at index 0: 2 4 Decrementing number at index 4: 2 4 6 Decrementing number at index 2: 2 Decrementing number at index 1: 3 Decrementing number at index 0: 1 2 Decrementing number at index 2: 1 at index 1: 1 Decrementing number number at index 1: Decrementing 2 1 1 at index 2: 1 Decrementing number Decrementing number at index 4: 1 at index 3: Decrementing number 1 at index 2: Decrementing number 1 at index 1 2: Decrementing number 1 at index 3: 1 Decrementing 1 1 number Decrementing number at index 0: 0 1 1 Decrementing number at index 2: 0 1 1 Decrementing number at index 1: 0 0 1 Decrementing number at index 4: 0 0 at index 3: Decrementing number 0 0 at index Decrementing number 0 Decrementing number at index 3: 0 0 All numbers reached 0.