	LAB-3 PAGE NO:
1	Write a c program to Simulate the following non procemptive CPU Schebuling algorithm to find turnoroundtime and twaiting time.
	following non procemptive CPU Scheluling
	Algorithm to find Jurnaroundtine and I wasting time.
	1) FCFS.
	#include Kstdro, h>
	Int main ()
	End DCIOT AFTION 1600 TO
	End p(10), at(10), bt(10), (4(10), tat(10),
	(4(10), i, j, temp = 0, n; flood owd = 0, atat = 0;
	printif lute go. of properties. 11).
_	Scarf (% & , of N);
	print ("ender of de proay: "n);
	10 (9 > 0) i(N) i++)
	Scarf (" of ly of p(27);
1	5/29- + 100 + 120 400 1 1 2000
2-1	prints c'enter of d'orrivaltine: ", n);
-	Jol(i 20); (n; i++)
	ft can
	3 Scarf (pd 4 at [1]);
	Man H C Al Wall I I I I I I I I I I I I I I I I I I
	fol (= 0; [4n;]++)
1	
+	g Srang (" 456", & bot [i]);
+	g property of the second secon
1	(+ [o] = a+ (o] + b+ (o];
1	fu(1=]; / (n; (++)
	G.
3	Semp = 0;

DATE (fri] = (fri-]] +b+[r] + demp) tatri] = ctri] - afri]; ataf + = taf[i]; awf + = wf[i]; In overage furnatound time is the average waiting time it refurn 0;

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enfly 4 purst time;	22	3-4	5.337
	1		3
P Act Bot	(,T	TAT	WT
P1 0 2	2	2	0
PR 1 2	4	3	1
f3 5 3	8	3	0
P4 6 4 1	2	6	2
average Lurnowurd Ame	,	3,5000	
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(2)	SJF (Non preemptive):
	The state of the s
No. of Control of Control of Control	#Include Kstdioch>
	# Proclude (comio.h >
compressed in American Security Securit	140 . D. 1 /C1 /Orl 12
	Yord Swap (Int " y, Int " y)
the to the representative of the plant of the second	Vold Swap (Int
Name of the Association of the A	la l
Name and Address of the Owner,	Ind demp = *x;
	2 Y = dimp;
	Yord Sordat (Port pro, and afro, and bory, &
	The second secon
	into 12.
	for(f=0; s(n; s++)
	for(j=i+];j(n;j++)
	1 000 211 21 21 17
	[] (a+173) a+ E/3)
	(00113) 20273
	Sin (Classia A. Classia
	Swap (dp(i], dp(i); Swap (dad(i), dat(i); Swap (dbd(i), dbd(i);
	Stap (400(1), 401(31))
	3 Wap (4 DV(1), 4 DV(3);
	$\int \int \int \int \int \int \int \partial f(x) dx = \partial f(x) \int \int \partial f(x) dx$
	51 (1.1 [27 \ 1 ([17]
	il (Pf Li] > Pf [f])
	Swap (dp(i), dp(i)); Swap (dpt(i), dat(j)); Swap (lb+[i), db+(j));
	Swap (4 At Cit), 4 a t Cit)
	3 Swap (40+(8), 40+(4))
	8 8 9

void datad (int ctr, int atc), int. bers, int takes, Ind f: Int moun () anin = 1000, n; (lood acrt = 0, afat=0; conflored of dn); (ind t) mallor (nx Size of (int)); =(nd+) mallor (n+six of (ivd)); = (ind) mallor (no 5) & of (no)); (4 = (Int ") mallor (no star (int)); Wf = (Inf w) mallor (no street ant); fat = (int +) malloc(n+sized(int)); prints("enter the procession");

for (i = 0; i < n; i++). Printf("evitu the orrival time n"); (1=0;1/n;1++) Scarf(" & d", lp[i]);

bought anger of outsing offere (n n). Scanff [fed", dbd(i); Sordal (plat, bt, n); (4[0] = atco] + btco]; min = b+(3); Swap (dp(i), dp(pos]); Swap (dat(i), dat(pos]); Swap (dbf[i], dbf(pos]); min = 1000; (+(1)=(+(i-])+b+[1]; falut (ct, at, bt, tat, Wt, n)

print (° Inplt at 14 bt to de tall wit en)

for (1=0; f(n; 1+f)

PAGE NO : awf = awf/n; refur o; output; the number of proats & 4 ender the proau enfu the orival time 1 46 endu the burst time 4 2 tat = 6,75 avgwt = 3.00