MODEL PRACTICAL EXAM- OS

Mame: MARIHARAN BP Reg. No: 39110373 Semester: 5 Bromch; (SE Subject J. Operating System
Hamel, Lab Subject]; SCSA2502 Ratchid: 4 Pate 9 1: 29/10/2021 rays]: Duration: 2hrs Ain write a C program to implement FCFS algorithm. Algorithm. Step!) Stont styp? - A capt the no. of proun Styrs: Jos each process arriver processed and CPV burst time. Slep4: Set waiting time (w1) as 'o' for all and it' burst time too as it's turn around time (TATI)

Steps: for Each prous Calculate

(a) WI = WILMI) + BT

(a) WT Jo. proum (n) = WT of prouss (n-1) +
BT of prouss (n-1)

BT of process (n) = WT of process (n) +

Step 6: Calculate

@ Aug. WT - Total WT/ Ho. of process

(A-q. TAT = Well TAT Hough process

Step 1 Stop

```
I wheam?
H (neluel (stolio-h)
int moun ()
   ( nt n, jum = 0, bt [10] = {0}, tat (10] = {0}, wt[10] = {0};
   int at [10] = {0}, ct[10] = {0};
    gloat total TAT-O, total WT = 0;
     s conf (" 200", 4 n);
     for (int i = 0; icn; itt)
            sumt = St Cj];
            ct[j] += sum;
       for (int k = 0; 11 < n; k++)
             tat [12] = ct [12] - at [12];
             65tal 1At += tak (14);
        for (int 1=0; Ken, K++)
```

wt [k]: but [k] - bt [k];

botal wt += wt [k];

3 11 30 2 nd to k | k | boop.

print (" 20 | ln)", botal wt / n);

print (" 20 | ln)", botal + AT/n);

print (" 20 | ln", botal + AT/n);

seturn o;

Output

Test	Input	Enperted	9 St
71	3 24	17.000000	(1.000000
	3	27.000000	27.000000
T2_	3 15 10 13	13.333333	13.33333 26.00000

	Test	Input	Expected	Got	
~	T1	3 24 3 3	17.000000 27.000000	17.000000 27.000000	*
~	Т2	3 15 10 13	13.333333 26.000000		*

Passed all tests! 🗸