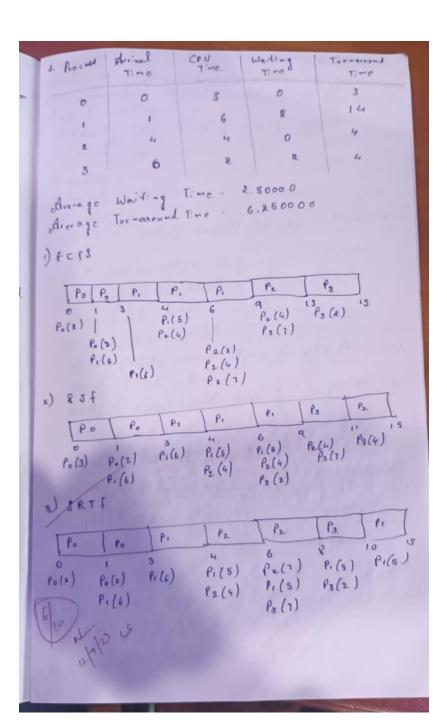
```
Waite a cprogram to execute fcfs, 8.71 and 8RTf for forocess scheduling 21/6/22 windlede 2 stdio.h.
 void main () {
    Brinks ("Enter the number of forocesses \n");
     Scarf (" 1.d", &n); for the fine and couring
     Scarf ( " 1.d", &n);
     for each forcess respectively (n)
Scanf (" /d /d ', Lattil Sept [:]);
 forindf (" Meno In In 1) fCF8. In R. & J. F In 3. SRTF
       In 4. Excit Im ) it prisoned
    while (1) f
      Scarf (" " l.d", & choice);
       Switch (choice) {
      couse 1° f cfs (n);
           break;
      couse 2 : sif (n);
       cale 3; Rvtf(n);
        760 == [ treat is I amit privilemen)
       case 4 : exit(0);
 default it formit ("Wrong choice (m))
  I talle ma 7 on't . m tologram [ Instruct ] tot
```

int remaining time[RO], tat[RO], but [RO] completion time [RO], emallest dime is confliction. float aut=0, atal =0; [3x] togs . [02] to remaining time thing = cool City ; Thring for (i=0; i<n; i++) time = 0; while Count I all sound has 10} Smallest = -13 7 () for (:=0; i < n; i+t) f if (at l'] = tine le remaining-tineli] = 0)f if (smallest = - 1 1) semaining time[:] ~ remaining - time [Smallert] Smallest : ; (of d , & cho co); 3 if (smallet == -1) { () 2} time + + ! continue: stemaing time Comallect ? -if (remaining - time [smallest] = = 0) { count ++ 1 completion time [smallest] = time + 1.5. wt [smalled] : completion line [small est] Lot [smalled] = completion - time [&mallest] treft !

Said to tallili 0 in trolland in frints (" in Process HAVVI val time it coo time 18 sturnasound, Timesta Ping + mes + two i, at [i]. cpot[i] wt [i] tat[i]); Brinds ("In Average Wailing Time - 16 f", aut) 7(0. Parinif (" In Average Turn around Time - 1/4 In", ald) located (" for educade heiting Time -- 1. f. Euch). word lej f (ent n) force unt teo] eput leo]. float awt = 0, atat = 0, sum -burst - time = 0; to smalled; the last time = 0; to smalled; th TURNAROUND TIME In"); 10 (:0 : i<n; } (+) f = 100 Eput I Ci]: coot Ci]; I lil some 8um - buret - time + = cput [:]: 3(++ 1 · m= 1 0 . 1) 3(4 : 2 pot ([a])= 9999 [3+1] to = [3+0] while (sum < sun-burst - time) = quet [11:] togs - [3] togs &mallest -9:

```
cput [:+i] = tenp;
        temp prane[i]:
prame[i+j]:
         prome [i+i]: temp;
     for (:=0; ' < n; i++) q
        sum + : cpot [i]:
         empt[i] = empt[i] - at[i]:
         wt[i]: tat[]-cpof[i]:
     for ( := 0; i < n; i++) {
    aut + = wt [i];
      aut = aut/n;
6).
                              I + A RRIVAL TIME / + CPU
      atat = atat In:
d )
      printf (" It PROCESS
                             TIME IT TURN AROUND
      for (io; ich; it+) frit brases not of overthe
      TIME I WAITING
          Point (TIn to prome li T, at li J, eput li J, wt Li J, et li J, eput li J, wt Li J,
        tat (: ]):
        printf (" la Average Waiting Time 1-1-1/6f", aut];
       brinkf (" In Average Torn around Time . J. T.f In, abot);
```

3. Jan 1 - 1 - 1 - 1 - 3093
Output: Enter the number of brocess for each forecess. Enter arxival time and appropriate for an appropriate for a possible
Output of broces for cach process.
Enter the name and copy
Enter and val
7/ ,
6 & [:]togs = + 2018
mend [i]to.[i]tqms -[i]tqms
) fcfs [illings [illings fillst
e) 8 T f
7(+1 - 42 - 0 - 0 - 0 - 0 - 0
w) fx: t
A relience Coutine Wating Time
3) 8 k 14 4) & x: t 1) Process Arrivaltine Courtine Waiting time + Turn around Time 3) 8 k 14 4) & x: t
Po 0 3
Po 0 4 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
4 6
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TIME IT WHILL DIMILL FORWINGONS
Average Waiting Time - 3,50000 (1) 3MIT
A. Turn abound live the
by fift by the fit beg struct beaund time
2) The Processes waiting time to wound time
1 / 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
P[0] 3 (RT.3) + cts
PC. I
pronty (Mo sperage basting Time [834] aces!
The state of the s
for in the Average Torn avoid Tree 1939: flo abott:
Average waiting time - 6.75000 Average Turn around time - 3.0000
Average Turn around time - 3.00



Output:

```
Enter the number of processes
Enter arrival time and cpu time for each process respectively
0 3
1 6
4 4
6 2
 1enu
2.SJF(Non Preemptive)
3.SRTF(Preemptive)
4.Exit
           PROCESS
                              ARRIVAL TIME
                                                   CPU TIME
                                                                         WAITING TIME
                                                                                             TURNAROUND TIME
           P0
                                                                                             9
           P2
Average Waiting Time -- 3.500000
Average Turnaround Time -- 7.250000
           PROCESS
                               WAITING TIME
                                                    TURNAROUND TIME
           P[0]
P[1]
P[3]
P[2]
                                                    3
7
Average Waiting Time -- 6.750000
Average Turnaround Time -- 3.000000
```

```
Average Waiting Time -- 6.750000
Average Turnaround Time -- 3.000000
3

Process Arrival Time CPU Time Waiting Time Turnaround Time 0 0 3 0 3
1 1 6 8 14
2 4 4 0 4
3 6 2 2 4

Average Waiting Time -- 2.500000

Average Turnaround Time -- 6.250000
```

```
Enter the number of processes
Enter arrival time and cpu time for each process respectively
0 8
0 1
3 6
4 2
8 3
Menu
1.FCFS
2.SJF(Non Preemptive)
3.SRTF(Preemptive)
4.Exit
            PROCESS
                                ARRIVAL TIME
                                                      CPU TIME
                                                                            WAITING TIME
                                                                                                  TURNAROUND TIME
                                                                                                  1
9
12
13
            P1
                                 0
                                                      1 8 6 2 3
            PØ
P2
                                                                            6
11
            P3
            P4
Average Waiting Time -- 5.400000
Average Turnaround Time -- 9.400000
```