Tetle: First Come First Serve Scheduling
Algorithm

for Non-Preemptive:-MAlgorithm 1) Print Input no of processes 2) Scan & put pn variable n; 3) Input burst time; //maintain an array for process & burst 4) waiting time for process Po = 0 5) turn around time = burst time [n] + waiting time 6) waiting time = burst time [n] + waiting tim e [8-1] 7) print the output with average value. Source Code: -#include (stdio. h) ent marn () { int h, P; printf("Enter the number of pro scanf ("/d", wn); Pnt burst_time [n], warteng_time[n],

turnaround_teme[n];

```
float total-warting-time= O, total_turnground_
       tome= 0;
for (1:0;1<n;1+1) {
printf("Enter the burst time of Process
-/.d:",1+1);
   scanf("/.d", & burst-time[]];
warting-time[0]=0;
for(1=1;1<n;1++){
    waiting timeti]= waiting time [1-1]+ burst
                       teme[P-1];
    total-wasting-time += wasting-time[1];
for (1=0; 1< n; 1++){
  turnaround_teme[1] = wasting_time[7] +
                    burst-time[1];
  total_turnaround_trmet= tarnaround_trmeD];
 prentf ("Process t Burst Time t Warteng
          Temext Turnaround Time (11).
 for(1=0:1<n;1++)}
    printf("/d\t/d\tt/d\tt/d\tt/d\t/! P+1, burst_
   teme [1], was tong_ tome[1], turnaround_time
```

printf("Average Warting Trme: 1.2f\n" totalprentf("Average Turnaround Teme: 1.2f\n", total-turnaround-time/n); return 0; In this lab, we get familiar First come first serve scheduling (non-preemptive) algorithm. Conclusion:my 23

```
Job First Algorithm
  Theory:
          Shortest Job First (SJF):
 -Allocate the CPU to the process with
least CPU burst time.
-If two processes have same CPU burst,
then FCFS is used to break the tre.
 -Two schemes:
 · Non - preemptive
      cannot be preempted until completes its CPU burst.
· Preemptive (also called shortest
       Remaining First SRJF)
- Preemptive If a new Process arives with CPU burst Lenoth less than re
maining time of current executing
SOURCE CODES
#rnclude (stdro.h)
Pht marn() {
        rnt n, f, f, temp, sum=0;
       Float.avg_wt, avg_tat, twt, that;

Pnt bt[20], wt[20], tat[20], p[20].

printf("Enter the number of proce-
       scanf("/.d",&n);
```

Title: Implementation of shortest

```
for (1=0; s<n; s++) g

prentf (11 Enter the burst teme

of process y. d:1, t+1);

scanf (11 y. d 11, & bt[+1]);
          P[1]=1+1; //rnitealize process
                        array in original
         Ellsort the burst time in ass
cending order.
         for ( r= 0; r< n; r++) {
          1f (b+[1]>bEs])
            { temp=b+[1];
              b+[+]=b+[+];
              b+[]] = temp;
            Mong with burst time array
              temp= P[1];
              PEr] = prej;
              p[]] = temp;
// calculate wasting time & turnaround
        wt[0]=0;
        tat [ 0] = bt[0];
        for(1=1;1<n; 1+1){
```

wtf[+] = wt [1-1]+bt[1-1]; twt t= wt[7]: tat [1] = tot[1-1]+bt[]; ttat + = tat [P]; // print the results printf ("process Burst time wasting time Turnaround time (n); for(1=0;1<n;1++){ printf(11/.d/t/.d/t /.d/t /.d/t, P [1], bt[1], wt[1], tat[1]); prentfl"Average wasting time:"/ 0.2f\n", twt\n); printf("Average turnaround teme / 0.2/n", (tfat+tat[0])*(n); returno; DISCUSSION: In this tab we discussed about the shortest Job Fr tot algorithm, we got to kno w about it with the example and also by implementing it en a source code/ptogram. we do a program.

すべつにここのか。