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IMPLEMENTATION OF FCFS SCHEDULING

A

PROGRAM

```
#include <stdio.h>
int waitingtime(int proc[], int n, int burst-time[])
int wait-time[])
{
    wait-time[0] = 0;
    for(int i = 1; i < n; i++) wait-time[i] =
        burst-time[i-1] + wait-time[i];
    return 0;
}
int turnaroundtime(int proc[], int n, int
burst-time[], int wait-time[], int tat[])
{
    int i;
    for(i=0; i < n; i++) tat[i] = burst-time[i] +
        wait-time[i];
    return 0;
}
int avgtime(int proc[], int n, int burst-
```

L
int wait-time[n], tat[n], total-wt = 0,
total-tat = 0;
int i;
Waitingtime(proc, n, burst-time);
turnaroundtime(proc, n, burst-time,
wait-time, tat);
printf("Processes Burst Waiting Turn
around\n");

for(i=0; i<n; i++){ total-wt = total-
wt + wait-time[i]; total-tat = total-tat
+ tat[i];
printf("%d %d %d %d\n", i+1,
burst-time[i], wait-time[i],
tat[i]);

}

Pointf("Average waiting time = %f\n",
(float) total-wt/(float) n);

Pointf("Average turnaround time = %f\n",
(float) total-tat/(float) n);
return 0;

y

int main()

{

int proc[] = {1 2 3};

int n = size of proc / size of proc[0];

int burst-time[] = {5, 8, 12};

avgtime(proc, n, burst-time);

return 0;

g

```
C:\Users\hp\Documents\CCC.exe
Processes Burst Waiting Turn around
1      5        0      5
2      8        5     13
3     12       13     25
Average waiting time = 6.000000
Average turn around time = 14.333333

Process returned 0 (0x0)  execution time : 0.269 s
Press any key to continue.
```