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1. /*
2.  * FCFS Scheduling Program in C
3.  */
4.
5. #include <stdio.h>
6. int main()
7. {
8.     int pid[15];
9.     int bt[15];
10.     int n;
11.     printf("Enter the number of processes: ");
12.     scanf("%d", &n);
13.
14.     printf("Enter process id of all the processes: ");
15.     for(int i=0; i<n; i++)
16.     {
17.         scanf("%d", &pid[i]);
18.     }
19.
20.     printf("Enter burst time of all the processes: ");
21.     for(int i=0; i<n; i++)
22.     {
23.         scanf("%d", &bt[i]);
24.     }
25.
26.     int i, wt[n];
27.     wt[0]=0;
28.
29.     //for calculating waiting time of each process
30.     for(i=1; i<n; i++)
31.     {
32.         wt[i]= bt[i-1]+ wt[i-1];
33.     }
34.
35.     printf("Process ID      Burst Time      Waiting Time\n");
36.     float twt=0.0;
37.     float tat= 0.0;
38.     for(i=0; i<n; i++)
39.     {
40.         printf("%d\t\t", pid[i]);
41.         printf("%d\t\t", bt[i]);
42.         printf("%d\t\t", wt[i]);
43.
44.         //calculating and printing turnaround time of each
         process
45.         printf("%d\t\t", bt[i]+wt[i]);
46.         printf("\n");
47.
48.         //for calculating total waiting time
49.         twt += wt[i];
50.
51.         //for calculating total turnaround time
52.         tat += (wt[i]+bt[i]);
53.     }
54.     float att, awt;
55.
56.     //for calculating average waiting time
57.     awt = twt/n;
58.
59.     //for calculating average turnaround time

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60.         att = tat/n;
61.         printf("Avg. waiting time= %f\n",awt);
62.         printf("Avg. turnaround time= %f",att);
63.     }
```

### First Code of FCFS