

```
dayone.c x dayone3.c x
#include<stdio.h>
void main()
{
    int n,bt[20],wt[20],tat[20],i,j;float
    avwt=0,avtat=0;
    printf("enter total number of processes(maximum 20);");
    scanf("%d", &n);
    printf("\nenter processes burst time\n");
    for(i=0;i<n;i++)
    {
        printf("P[%d]:",i+1);
        scanf("%d",&bt[i]);
    }
    wt[0]=0;
    for(i=1;i<n;i++)
    {
        wt[i]=0;
        for(j=0;j<i;j++)
            wt[i]+=bt[j];
    }
    printf("\nprocess\t\tburst time\twaiting
    time\tturnaround time");
    for(i=0;i<n;i++)
    {
        tat[i]=bt[i]+wt[i];
        avwt+=wt[i];
        avtat+=tat[i];
        printf("\nP[%d]
        \t\t%d\t\t%d\t\t%d",i+1,bt[i],wt[i],tat[i]);
    }
}
```

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```
user@user-HP-ProDesk-400-G1-SFF: ~/Desktop
File Edit View Search Terminal Help
user@user-HP-ProDesk-400-G1-SFF:~$ cd Desktop
user@user-HP-ProDesk-400-G1-SFF:~/Desktop$ cc dayone3.c
user@user-HP-ProDesk-400-G1-SFF:~/Desktop$ ./a.out
enter total number of processes(maximum 20);4

enter processes burst time
P[1]:4
P[2]:5
P[3]:6
P[4]:7

process          burst time      waiting time    turnaround time
P[1]              4               0               4
P[2]              5               4               9
P[3]              6               9               15
P[4]              7               15              22

average waiting time:7.00
user@user-HP-ProDesk-400-G1-SFF:~/Desktop$
```

