Coding C

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RUN MENU

```c
#include<stdio.h>

int main()

{

int n,bt[20],wt[20],tat[20],avwt=0,avtat=0,i,j;

printf("Enter total number of processes (maximum 20):");

scanf("%d",&n);

printf("nEnter Process Burst Timen"); 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("nProcesstBurst TimetWaiting Timet Turnaround Time");

for(i=0;i<n;i++)

{

tat[i]=bt[i]+wt[i];

avwt+=wt[i];

avtat+=tat[i];

printf("nP[%d]tt%dtt%dtt%d",i+1,bt[i], wt[i], tat[i]); }

avwt/=i;

avtat/=i;

printf("nnAverage Waiting Time:%d",avwt);

printf("nAverage Turnaround Time:%d",avtat);

return 0;

}
```

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Compile Result

```
Enter total number of processes (maximum 20):
3
nEnter Process Burst TimenP[1]:3
P[2]:9
P[3]:5
nProcessttBurst TimetWaiting Timet Turnaround
 TimenP[1]tt3tt0tt3nP[2]tt9tt3tt12nP[3]tt5tt1
2tt17nnAverage Waiting Time:5nAverage Turnaro
und Time:10
[Process completed - press Enter]
```