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```
#include <stdio.h>
```

```
int main()
```

```
{  
    int n, bt[20], wt[20], tot[20], avwt = 0, avtot = 0, i, j;
```

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

```
    scanf ("%d", &n);
```

```
    printf ("\n Enter process 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("\n process \t burst time \t waiting time \t turnaround  
time \n");
```

```
for (i = 0; i < n; i++)  
{  
    tat[i] = bt[i] + wt[i];  
    avwt += wt[i];  
    atat += tat[i];  
    printf("\n P[%d] \t \t %d \t \t %d \t \t %d", i+1, bt[i],  
    wt[i], tat[i]);  
}  
avwt /= i;  
atat /= i;  
printf("\n\n Average waiting time : %d", avwt);  
printf("\n\n Average Turnaround Time : %d", atat);  
return 0;  
}
```

Sohil
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