

OnlineGDB beta
online compiler and debugger for c/c++

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main.c

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int A[100][4];
6     int i, j, n, total = 0, index, temp; float avg_wt, avg_tat;
7     printf("Enter number of process: "); scanf("%d", &n);
8     printf("Enter Burst Time:\n");
9     for (i = 0; i < n; i++) {
10         printf("P%d: ", i + 1); scanf("%d", &A[i][1]); A[i][0] = i + 1;
11     }
12     for (i = 0; i < n; i++) {
13         index = i;
14         for (j = i + 1; j < n; j++)
15             if (A[j][1] < A[index][1]) index = j;
16         temp = A[i][1]; A[i][1] = A[index][1]; A[index][1] = temp;
17         temp = A[i][0];
18         A[i][0] = A[index][0]; A[index][0] = temp;
19     }
20     A[0][2] = 0;
21     for (i = 1; i < n; i++) {
22         A[i][2] = 0;
23         for (j = 0; j < i; j++)
24             A[i][2] += A[j][1];
25         total += A[i][2];
26     }
27     avg_wt = (float)total / n; total = 0;
28     printf("P BT WT TAT\n"); for (i = 0; i < n; i++) {
29         A[i][3] = A[i][1] + A[i][2];
30         total += A[i][3];
31         printf("P%d %d %d %d\n", A[i][0], A[i][1], A[i][2], A[i][3]);
32     }
33     avg_tat = (float)total / n;
34     printf("Average Waiting Time= %f", avg_wt); printf("\nAverage Turnaround Time= %f", avg_tat);
35 }
```

input

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

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main.c

input

```
Enter number of process: 2
Enter Burst Time:
P1: 2
P2: 4
P BT WT TAT
P1 2 0 2
P2 4 2 6
Average Waiting Time= 1.000000
Average Turnaround Time= 4.000000
...Program finished with exit code 0
Press ENTER to exit console.
```