

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

```
int main()
```

```
{
```

```
    int
```

```
    bt[20], p[20], ut[20], tat[20], i, j, m, total  
    = 0, p, 0s, temp;
```

```
    float avg_ut, avg_tat;
```

```
    printf("Enter number of process:");
```

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

```
    printf("Enter Burst Time, m");
```

```
    for (i = 0; i < m; i++)
```

```
    {
```

```
        p[i] = i + 1;
```

```
        printf("p %d", i + 1);
```

```
        scanf("%d", &bt[i]);
```

```
        p[i] = i + 1;
```

```
    }
```

```
    // sorting of burst times
```

```
    for (i = 0; i < m; i++)
```

```
    {
```

```
        pos = i;
```

```
        for (j = i + 1; j < m; j++)
```

```
        {
```

```
            if (bt[j] < bt[pos])
```

```
            {
```

```
                temp = bt[i];
```

```
                bt[i] = bt[pos];
```

```
                bt[pos] = temp;
```

```
                temp = p[i];
```

```
                p[i] = p[pos];
```

```
                p[pos] = temp;
```

```

wt[0] = 0;
for (i = 1; i <= n; i++)
    wt[i] = 0;
for (j = 0; j < i; j++)
    wt[i] += bt[j];

```

```
total = wt[i];
```

```

avg_wt = (float) total / n;
total = 0;

```

```

printf("n processs t Burst time)
+ waiting time + Turnaround time")

```

```

for (i = 0; i <= n; i++)
    tot[i] = bt[i] + wt[i];
total = tot[i];

```

```

printf("mp %d\n", tot[i]);
printf("%d\n", p[i], bt[i], wt[i], tot[i]);

```

```

avg_tot = (float) total / n;

```

```

printf("n avg waiting
Time = %f", avg_wt);

```

```

printf("n Avg Turnaround
Time = %f", avg_tot);

```



```

1 //
2
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7
8 *****/
9
10 #include<stdio.h>

```

input

```

Enter number of process:4
Enter Burst Time:np1:10
p2:2
p3:1
p4:4
nProcesst    Burst Time    tWaiting TimetTurnaround Timenp3tt  1tt    0ttt1np2tt  2tt    1ttt3np4tt  4tt    3ttt7np1
tt  10tt    7ttt17nnAverage Waiting Time=2.750000nAverage Turnaround Time=7.000000n

...Program finished with exit code 0
Press ENTER to exit console.

```