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BSC (IT)

```c
#include <stdio.h>
#include <conio.h>
#define max 30
    Void main()
{
    int
    i, j, n bt (max), at (max), wt (max), tat [max], t
    emp [a max]
        float awt = 0, atat = 0
        printf ("Enter the no of process");
        scanf ("%d", &n);
        printf ("Enter the arrival time of process")
        for (i = 0; i < n; i++)
        scanf ("%d", &at [i]);
        printf (" Enter the burst time of process");
        for (i = 0; i < n; i++)
        scanf ("%d", & bt [i]);
        temp [0] = 0;
            printf ("\n process \t, arrival time \t burst time
        \t waiting time \t turn around time \n");
            for (i = 0; i < n; i++)
                wt [i] = 0
                tat [i] = 0;
            temp [i+1] = temp [i] + bt [i];
            wt [i] = temp [i] - at [i];
            awt = awt + wt [i];
            atat = atat + tat [i];
    printf ("\n %d \t \t %d \t %d \t \t %d \t \t %d \n", i
        + 1, at [i], bt [i], wt [i], tat [i]);
            awt = awt / n;
            atat = atat / n;
```

```
printf ("average waiting time = %f\n", awt);
printf ("average turn around time
        = %f", atat);
getch();
```

```
Enter the number of processes:4
Enter the ProcessName, Arrival Time& Burst Time:p0 0 6
Enter the ProcessName, Arrival Time& Burst Time:p1 1 8
Enter the ProcessName, Arrival Time& Burst Time:p2 2 10
Enter the ProcessName, Arrival Time& Burst Time:p3 3 11
```

PName	Arrtime	Burtime	WaitTime	Start	TAT	Finish
p0	0	6	0	0	6	6
p1	1	8	5	6	13	14
p2	2	10	12	14	22	24
p3	3	11	21	24	32	35

```
Average Waiting time:9.500000
Average Turn Around Time:18.250000

finished with exit code 0
```