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Course — Bsc IT
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Q)
```
#include < stdio.h>
int waiting time (int pro [],int n, int
     burst time int wait time [])

{
    wait time [0]=0;
    for (int 1 = 1; i<n; i++
    wait time - burst tone time [i-1]
+wait time [i]
    return 0

}
    int turn around time (int pra[], int,
         int brust time[], int wait time
[i-1]; int tat [])

{
    int i;
    for (i= 0; i<n; i++)
        tat [i]= brusttime[], int wait time [i];
    return 0;

}
    int avgtime (intpax []; int n, burstime[])

{
    int wait time[n], tat [n], tatat wt=0
    dotal, tat 0;
int i;
    waiting time (proc, n, burst tim, wait time,
    trun arround time (proc, n, burst time, wait tim
        tat);
```

```c
        total_tat = total_tat + tat[i];
        printf("%d\t.%d\t\t %d\t %d\n", i+1,
            burst_time[i], wait_time[i], tat[i]); }

    printf(" Average waiting time = %f \n", (float)total_w
        /(float)n);
    printf(" Average turn around time = %f \n",
        (float) total_tat/(float)n);
    return 0;
}

int main()
    int proc[] = {1,2,3};
    int n = size of proc / size of proc[0];
    int burst_time[] = {5,8,12};
    avg_time(proc, n, burst_time);
    return 0;
}
```

```
Microsoft Windows [Version 10.0.19042.1052]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ASUS>cd "C:\Users\ASUS\AppData\Local\Temp\" && gcc tempCodeRunnerFile.c -o tempCo
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     CT
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: 9.50
Average Turn Around Time:18.25
C:\Users\ASUS\AppData\Local\Temp>█
```