

```

1
2 #include <stdio.h>
3 int main() {
4     int n = 3; // number of processes
5     int bt[3] = {5, 8, 12}; // burst times
6     int wt[3], tat[3], i;
7     float avgwt = 0, avgtat = 0;
8
9     wt[0] = 0;
10    for (i = 1; i < n; i++) wt[i] = wt[i-1] + bt[i-1];
11
12    for (i = 0; i < n; i++) {
13        tat[i] = wt[i] + bt[i];
14        avgwt += wt[i];
15        avgtat += tat[i];
16    }
17
18    printf("Process\tBT\tWT\tTAT\n");
19    for (i = 0; i < n; i++)
20        printf("P%d\t%d\t%d\t%d\n", i+1, bt[i], wt[i], tat[i]);
21
22    printf("\nAverage WT = %.2f", avgwt/n);
23    printf("\nAverage TAT = %.2f\n", avgtat/n);
24    return 0;
25 }

```

```

Process BT WT TAT
P1 5 0 5
P2 8 5 13
P3 12 13 25

```

```

Average WT = 6.00
Average TAT = 14.33

```

```

=== Code Execution Successful ===

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