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Course - Bsc.IT - A     Roll No - 2023033   Sem -- 2.
Subject - Operating System Lab   Subject Code - PBI202

Ans -

```c
#include <stdio.h>
#include <conio.h>
#define max 30
int main ()
{
    int i, j, n, bt [max], at [max], wt [max],
        tat [mat], temp [max];
    float awt = 0, atat = 0;

    printf ("Enter the no of process : ");
    scanf ("%d", &n);
    printf ("Enter the arrival time of the 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 arround time \n");
    for (i = 0; i < n; i++)
    {
```

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```c
        wt [i] = 0;
        tat [i] = 0;
        temp [i+1] = temp [i] + bt [i];
        wt [i] = temp [i] - at [i];
        tat [i] = wt [i] + bt [i];
        awt = awt + wt [i];
        atat = atat + tat [i];
        printf ("\np %d \t \t %d \t \t %d \t\t %d \t
                \t %d \n", i+, 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 ();
}
```