

```

#include <stdio.h>

int main()
{
    int pid[15];
    int bt[15];
    int n;

    printf("Enter the number of processes: ");
    scanf("%d",&n);

    printf("Enter process id of all the processes: ");
    for(int i=0;i<n;i++)
    {
        scanf("%d",&pid[i]);
    }

    printf("Enter burst time of all the processes: ");
    for(int i=0;i<n;i++)
    {
        scanf("%d",&bt[i]);
    }

    int i, wt[n];
    wt[0]=0;

    //for calculating waiting time of each process
    for(i=1; i<n; i++)
    {
        wt[i]= bt[i-1]+ wt[i-1];
    }

```

```

    }

printf("Process ID   Burst Time   Waiting Time   TurnAround Time\n");

float twt=0.0;

float tat= 0.0;

for(i=0; i<n; i++)

{

    printf("%d\t\t", pid[i]);

    printf("%d\t\t", bt[i]);

    printf("%d\t\t", wt[i]);


    //calculating and printing turnaround time of each process

    printf("%d\t\t", bt[i]+wt[i]);

    printf("\n");

    //for calculating total waiting time

    twt += wt[i];


    //for calculating total turnaround time

    tat += (wt[i]+bt[i]);

}

float att,awt;


//for calculating average waiting time

awt = twt/n;


//for calculating average turnaround time

att = tat/n;

printf("Avg. waiting time= %f\n",awt);

printf("Avg. turnaround time= %f",att);

```

}