

```

#include<stdio.h>
#include<conio.h>
#define max 30
int main()
{
    int i,j,n,bt[max],pos,p[max],wt[max],tat[max],temp;
    float awt=0,atat=0;
    printf("enter total no of process");
    scanf("%d",&n);
    printf("enter the burst time of process");
    for(i=0;i<n;i++)
    {
        scanf("%d",&bt[i]);
    }
    printf("enter the priority of process");
    for(i=0;i<n;i++)
    {
        scanf("%d",&p[i]);
    }
    for(i=0;i<n;i++)
    {
        pos=i;
        for(j=i+1;j<n;j++)
        {
            if(p[j]<p[pos])
            {
                pos=j;
            }
        }
        temp=p[pos];
        p[pos]=p[i];
        p[i]=temp;

        temp=bt[i];
        bt[i]=bt[pos];
        bt[pos]=temp;
    }
    printf("process\tburst time\twaiting time\tturnaroundtime\tpriority\n");
    for(i=0;i<n;i++)
    {
        wt[i]=0;
        tat[i]=0;
        for(j=0;j<i;j++)
        {
            wt[i]=wt[i]+bt[j];
        }
        tat[i]=wt[i]+bt[i];
        awt=awt+wt[i];
        atat=atat+tat[i];
        printf("%d\t%d\t%d\t%d\t%d\n",i+1,bt[i],wt[i],tat[i],p[i]);
    }
    awt=awt/n;
    atat=atat/n;

    printf("awt=%f   atat=%f",awt,atat);
}

```