```
#include<stdio.h>

int main()
{   int n, i, p[10], bt[10], tat[10], wt[10];
        int avgwt=0, avgtat=0;
        printf("Enter no. of processes : ");
        scanf("%d", &n);
        printf("Enter burst time for each process : \n");
        for(i=0; i<n; i++)
        {   p[i]= i+1;
                printf("P%d\t : ", p[i]);
                scanf("%d", &bt[i]);    }

        wt[0]=0;

        for(i=1; i<n; i++)
        {   wt[i]=bt[i-1]+wt[i-1];
                avgwt+=wt[i];   }

        avgwt=avgwt/n;

        for(i=0; i<n; i++)
        {   tat[i]=wt[i]+bt[i];
                avgtat+=tat[i];     }

        avgtat=avgtat/n;

        printf("\nProcess\tBurst Time\tWaiting Time\tTurnaround Time\n");
```

```
for(i=0; i<n; i++)
{   printf("%d\t%d\t\t%d\t\t%d\n", p[i], bt[i], wt[i], tat[i]);     }

printf("\nAverage Waiting Time : %d\n", avgwt);
printf("\nAverage Turnaround Time : %d\n", avgtat);

printf("\nGANTT CHART");
printf("\n---------------------------\n");
for(i=0; i<n; i++)
{   printf("| P%d\t", p[i]);    }
printf("|\n");
for(i=0;i<n;i++)
{   printf("%d\t", wt[i]);      }
printf("%d", tat[n-1]);
printf("\n---------------------------\n");
return 0;   }
```