```c
#include<stdio.h>
void main()
{   int p[20],wt[20],bt[20],tt[20],n,temp;
    float wtavg = 0;
    float ttavg = 0;


    printf("Enter the number of processes: ");
    scanf("%d",&n);
    printf("Enter the burst time of each process: \n");
    for(int i=0;i<n;i++)
    {   p[i] = i+1;
        printf("P%d: ",i+1);
        scanf("%d",&bt[i]);     }


    for(int i=1;i<n;i++)
     {  for(int j=0;j<n-i;j++)
        {   if(bt[j]>bt[j+1])
            {   temp = p[j];
                p[j] = p[j+1];
                p[j+1] = temp;
                temp = bt[j];
                bt[j] = bt[j+1];
                bt[j+1]=temp;   }   }   }


    wt[0]=0;
    for(int i=1;i<n;i++)
    {   wt[i] = bt[i-1]+wt[i-1];
        wtavg+=wt[i];     }
```

```c
wtavg/=n;
for(int i=0;i<n;i++)
{   tt[i] = wt[i]+bt[i];
    ttavg+=tt[i];       }
 ttavg/=n;


printf("\nProcess\t\tBurst time\t\tWaiting time\t\tTurnaround  Time\n");
for(int i=0;i<n;i++)
{   printf("P%d\t\t%d\t\t\t%d\t\t\t%d\n",p[i],bt[i],wt[i],tt[i]);}
    printf("\nAverage Waiting time: %f",wtavg);
    printf("\nAverage Turn around time: %f\n",ttavg);
    printf("\nGantt chart\n\n");
    printf("\n.....................................................\n");
    for(int i=0;i<n;i++)
    {   printf("|\tP%d\t|",p[i]);   }
    printf("\n.....................................................\n");
    for(int i=0;i<n;i++)
    {   printf("%d\t\t",wt[i]);     }
    printf("%d",tt[n-1]);
    printf("\n.....................................................\n");   }
```