```
#include<stdio.h>
struct process
{   int no, at, bt, st, ct, tt, wt;}p[10];
int main()
{   int n, i, j, wt[10], tat[10], t1, t2;
        int avgwt=0, avgtt=0;

        printf("Enter no. of processes : ");
        scanf("%d", &n);
        printf("Enter Arrival Time and Burst Time for each process : \n");
        for(i=0; i<n; i++)
        {   p[i].no = i+1;
                printf("P%d: ", i+1);
                scanf("%d", &p[i].at);
                scanf("%d", &p[i].bt);  }

        for(i=0; i<=n-2; i++)
        {   for(j=i+1; j<=n-1; j++)
                {   if(p[i].at>p[j].at)
                        {   struct process temp = p[i];
                                p[i]=p[j];
                                p[j]=temp;  }         }   }

        for(i=0; i<n; i++)
        {   if(i==0 || p[i].at>p[i-1].ct)
                {   p[i].ct = p[i].at + p[i].bt;
                        p[i].st=p[i].at;    }
                else
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        {   p[i].ct = p[i-1].ct + p[i].bt;
                p[i].st = p[i-1].ct;    }
        p[i].tt = p[i].ct - p[i].at;
        p[i].wt = p[i].tt - p[i].bt;

        avgwt+=p[i].wt;
        avgtt+=p[i].tt;         }

    avgwt/=n;
    avgtt/=n;

    printf("\nProcess\tArrival Time\tBurst Time\tCompletion
Time\tTurnaround Time\tWaiting Time\n");
    for(i=0; i<n; i++)
    {   printf("%d\t%d\t\t%d\t\t%d\t\t%d\t\t%d\n",
p[i].no,p[i].at,p[i].bt,p[i].ct,p[i].tt,p[i].wt);    }

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

    printf("GANTT CHART");
    printf("\n--------------------------\n");
    for(i=0; i<n; i++)
    {   printf("| P%d\t", p[i].no);     }
    printf("|\n");
    printf("%d\t", p[0].at);
    for(i=0;i<n;i++)
    {   printf("%d\t", p[i].ct);    }
    printf("\n--------------------------\n");    }
```