Code:

#include<stdio.h>

#include<conio.h>

void main()

{

int n,temp,tt=0,min,d,i,j;

float atat=0,awt=0,stat=0,swt=0;

printf("19F155 VISHNU.P\n");

printf("Enter no of process: ");

scanf("%d",&n);

int a[n],b[n],e[n],tat[n],wt[n];

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

{

printf("Enter arrival time P[%d]: ",i+1);

scanf("%d",&a[i]);

printf("Enter burst time P[%d]: ",i+1);

scanf("%d",&b[i]);

}

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

{

for(j=i+1;j<n;j++)

{

if(b[i]>b[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

temp=b[i];

b[i]=b[j];

b[j]=temp;

}

}

}

min=a[0];

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

{

if(min>a[i])

{

min=a[i];

d=i;

}

}

tt=min;

e[d]=tt+b[d];

tt=e[d];

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

{

if(a[i]!=min)

{

e[i]=b[i]+tt;

tt=e[i];

}

}

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

{

tat[i]=e[i]-a[i];

stat=stat+tat[i];

wt[i]=tat[i]-b[i];

swt=swt+wt[i];

}

atat=stat/n;

awt=swt/n;

printf("Arrival-time(s) Burst-time(s) Waiting-time(s) Turnaround-time(s)\n");

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

{

printf("\t%d\t\t%d\t\t%d\t\t%d\n",a[i],b[i],wt[i],tat[i]);

}

printf("awt=%f\n",awt);

}

Output:

