PROGRAM -7

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ab program -2 os.cpp | lab program -3 os.cpp | lab program -4 os.cpp | [*] lab program -5 os.cpp | lab program-6 os.cpp | lab program-7 os.cpp
                  #include<stdio.h>
                      int main()
  3 🗖 {
4 i
                  int at[10],bt[10],pr[10];
int n,i,j,temp,time=0,count,over=0,sum_wait=0,sum_turnaround=0,start;
  float avgwait, avgturn;
printf("Enter the number of processes\n");
scanf("%d",&n); for(i=0;i<n;i++)
printf("Enter the arrival time and execution time for process %d\n",i+1);
scanf("%d%d",&at[i],&bt[i]);
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11
                               pr[i]=i+1;
12
                  for(i=0;i<n-1;i++)
13 | for(1=0;1<0.1;1++)
14 | { for(j=1+1;j<0;j++)
15 | { if(at[i]>at[j])
16 | { temp=at[i];
17 | at[i]=at[j];
18 | at[i]=at[i];
19 | at[i]=at[i];
19 | at[i]=at[i];
10 | at[i]=at[i];
11 | at[i]=at[i];
12 | at[i]=at[i];
13 | at[i]=at[i];
14 | at[i]=at[i];
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11 | at[i]=at[i];
12 | at[i]=at[i];
13 | at[i]=at[i];
14 | at[i]=at[i];
15 | at[i]=at[i];
16 | at[i]=at[i];
17 | at[i]=at[i];
18 | at[i]
                      at[j]=temp;
temp=bt[i];
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 19
                      bt[i]=bt[j];
bt[j]=temp;
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                           temp=pr[i];
pr[i]=pr[j];
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                                  pr[j]=temp;
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           printf("\n\nProcess\t|Arrival time\t|Execution time\t|Start time\t|End time\t|waiting time\t|Turnaround time\n\n");
while(over<n)</pre>
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32 T
                 if(at[i]<=time) count++;</pre>
 lab program -2 os.cpp | lab program -3 os.cpp | lab program -4 os.cpp | [*] lab program -5 os.cpp | lab program-6 os.cpp | lab program-7 os.cpp
at[j]=temp;
temp=bt[i];
bt[i]=bt[j];
bt[j]=temp;
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                               temp=pr[i];
pr[i]=pr[j];
pr[j]=temp;
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                    } start=time;
                 } start=time;
time==bt[over];
printf("p[%d]\t|\t%d\t|\t%d\t|\t%d\t|\t%d\t|\t%d\n",pr[over], at[over],bt[over],start,time,time-at[over]- bt[over],time-at[over]);
sum_wait+=time-at[over]-bt[over];
sum_turnaround+=time-at[over];
                      over++;
                avgwait=(float)sum_wait/(float)n;
avgturn=(float)sum_turnaround/(float)n;
printf("Average waiting time is %f\n",avgwait);
printf("Average turnaround time is %f\n",avgturn);
return 0;
 59
```

OUTPUT