

C:\Users\ELCOT\Desktop\os\sjf.nnew.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes

fcfs.cpp X file operation.cpp X sjf.nnew.cpp X

```
1 #include<stdio.h>
2 int main()
3 {
4     int bt[20],p[20],wt[20],tat[20],i,j,n,total=0,pos,temp,floatavg_wt;
5     printf("Enter number of process:");
6     scanf("%d",&n);
7     printf("\n Enter Burst Time:\n");for(i=0;i<n; i++)
8     {printf("p%d:",i+1);scanf("%d",&bt[i]);p[i]=i+1; }
9     for(i=0;i<n;i++)
10    { pos=i;
11      for(j=i+1;j<n;j++)
12        {if(bt[j]<bt[pos]) pos=j; } temp=bt[i]; bt[i]=bt[pos]; bt[pos]=temp;
13        wt[0]=0;for(i=1;i<n;i++)
14        { wt[i]=0;for(j=0;j<i;j++) wt[i]+=bt[j]; total+=wt[i];
15          avg_wt=(float)total/n;
16          total=0;printf("\nProcess\t Burst Time \tWaiting Time\tTurnaround Time\n");
17          tat[i]=bt[i]+wt[i]; total+=tat[i];printf("\np%d\t\t %d\t\t %d\t\t %d\t\t %d\n",i+1,wt[i],tat[i],bt[i],total);
18          avg_tat=(float)total/n;printf("\n\nAverage Waiting Time=%f",avg_wt);
19          printf("\n\nAverage Turnaround Time=%f\n",avg_tat);
20        }
21    }
22 }
```

Compiler (12) Resources Compile Log Debug Find Results Console Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ELCOT\Desktop\os\sjf .nnew.exe
- Output Size: 323.953125 KiB
- Compilation Time: 0.77s

Line: 1 Col: 1 Sel: 0 Lines: 22 Length: 857 Insert Done parsing in 0.0

C:\Users\ELCOT\Desktop\os\sjf.nnew.exe

Enter number of process:5

Enter Burst Time:

p1:8
p2:4
p3:5
p4:3
p5:5

Process	Burst Time	Waiting Time	Turnaround Time
p4	3	0	3
p2	4	3	7
p3	5	7	12
p5	5	12	17
p1	8	17	25

Average Waiting Time=0.000000
Average Turnaround Time=0.000000

Process exited after 5.729 seconds with return value 0
Press any key to continue . . .

C:\Users\ELCOT\Desktop\os\priority.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

C:\Users\ELCOT\Desktop\os\priority.exe

Enter number of process:5

Enter Burst Time:

p1:8
p2:2
p3:3
p4:4
p5:5

Process	Burst Time	Waiting Time	Turnaround Time
p2	2	0	2
p3	3	2	5
p4	4	5	9
p5	5	9	14
p1	8	14	22

Average Waiting Time=0.000000
Average Turnaround Time=0.000000

Process exited after 7.562 seconds with return value 0
Press any key to continue . . .

```

1 #include<stdio.h>
2 int main()
3 {
4     int bt[20],p[20],wt[20],tat[20],i,j,n,total=0,pos,temp,floatavg_wt,avg_tat,avg_wt;
5     printf("Enter number of process:");
6     scanf("%d",&n);
7     printf("\n Enter Burst Time:\n");for(i=0;i<n; i++)
8     {printf("p%d:",i+1);scanf("%d",&bt[i]);p[i]=i+1; }
9     for(i=0;i<n;i++)
10    { pos=i;
11      for(j=i+1;j<n;j++)
12        {if(bt[j]<bt[pos]) pos=j; } temp=bt[i]; bt[i]=bt[pos]; bt[pos]=temp; temp=p[i];
13        wt[0]=0;for(i=1;i<n;i++)
14        { wt[i]=0;for(j=0;j<i;j++) wt[i]+=bt[j]; total+=wt[i];
15        }avg_wt=(float)total/n;
16        total=0;printf("\nProcess\t Burst Time \tWaiting Time\tTurnaround Time");for(i=0;i<n;i++)
17        {
18          tat[i]=bt[i]+wt[i]; total+=tat[i];printf("\np%d\t\t %d\t\t %d\t\t %d",p[i],bt[i],wt[i],tat[i]);
19          }avg_tat=(float)total/n;printf("\n\nAverage Waiting Time=%f",avg_wt);
20          printf("\n\nAverage Turnaround Time=%f\n",avg_tat);
21        }
22    }
  
```

Compiler (12) Resources Compile Log Debug Find Results Console Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ELCOT\Desktop\os\priority.exe
- Output Size: 323.953125 KiB
- Compilation Time: 58.16s

Line: 1 Col: 1 Sel: 0 Lines: 22 Length: 857 Insert Done parsing in 0.015 seconds

Type here to search

Desktop 14:37 03-05-2023

C:\Users\ELCOT\Desktop\os\fcfs.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

Project Classes fcfs.cpp

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,bt[20],wt[20],tat[20],i,j; float avwt=0,avtat=0;
5     printf("Enter total number of processes(maximum 20):");
6     scanf("%d",&n);
7     printf("\nEnter Process Burst Time\n");
8     for(i=0;i<n;i++)
9     {
10        printf("P[%d]:",i+1);
11        scanf("%d",&bt[i]);
12        wt[i]=0;
13        for(i=1;i<n;i++)
14        { wt[i]=0;for(j=0;j<i;j++)
15          wt[i]+=bt[j];
16        }
17        printf("\nProcess\t\tBurst Time\tWaiting Time\tTurnaround Time\n");
18        for(i=0;i<n;i++)
19        {
20            tat[i]=bt[i]+wt[i]; avwt+=wt[i]; avtat+=tat[i];printf("\nP[%d]\t",i+1);
21            avwt/=i; avtat/=i;printf("\n\nAverage Waiting Time:%.2f",avwt);
22            printf("\n\nAverage Turnaround Time:%.2f",avtat);
23        }
24        return 0;
25    }
```

C:\Users\ELCOT\Desktop\os\fcfs.exe

Enter total number of processes(maximum 20):4

Enter Process Burst Time

P[1]:4
P[2]:2
P[3]:6
P[4]:5

Process	Burst Time	Waiting Time	Turnaround Time
P[1]	4	0	4
P[2]	2	4	6
P[3]	6	6	12
P[4]	5	12	17

Average Waiting Time:5.50
Average Turnaround Time:9.75

Process exited after 7.692 seconds with return value 0
Press any key to continue . . .

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ELCOT\Desktop\os\fcfs.exe
- Output Size: 323.453125 KiB
- Compilation Time: 0.72s

Line: 1 Col: 1 Sel: 0 Lines: 25 Length: 673 Insert Done parsing in 1.046 seconds

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