

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug shortest job first in c program.cpp priority scheduling in c.cpp

```
1  #include <stdio.h>
2
3  void swap(int *a,int *b)
4  {
5      int temp=*a;
6      *a=*b;
7      *b=temp;
8  }
9  int main()
10 {
11     int n;
12     printf("Enter Number of Processes: ");
13     scanf("%d",&n);
14
15     int b[n],p[n],index[n];
16     for(int i=0;i<n;i++)
17     {
18         printf("Enter Burst Time and Priority Value for Process %d: ",i+1);
19         scanf("%d %d",&b[i],&p[i]);
20         index[i]=i+1;
21     }
22     for(int i=0;i<n;i++)
23     {
24         int a=p[i],m=i;
25
26         for(int j=i;j<n;j++)
27         {
28             if(p[j] > a)
29             {
30                 a=p[j];
31                 m=j;
32             }
33         }
34
35         swap(&p[i], &p[m]);
36         swap(&b[i], &b[m]);
37         swap(&index[i],&index[m]);
38     }
39 }
```

Compiler Resources Compile Log Debug Find Results

21 Col: 6 Sel: 0 Lines: 57 Length: 1221 Insert Done parsing in 0.031 seconds

Type here to search



32°C Partly cloudy

20:01

20-04-2022

```
19     scanf("%d %d",&b[i],&p[i]);
20     index[i]=i+1;
21
22     for(int i=0;i<n;i++)
23     {
24         int a=p[i],m=i;
25
26         for(int j=i;j<n;j++)
27         {
28             if(p[j] > a)
29             {
30                 a=p[j];
31                 m=j;
32             }
33         }
34
35         swap(&p[i], &p[m]);
36         swap(&b[i], &b[m]);
37         swap(&index[i], &index[m]);
38     }
39
40     int t=0;
41
42     printf("Order of process Execution is\n");
43     for(int i=0;i<n;i++)
44     {
45         printf("P%d is executed from %d to %d\n",index[i],t,t+b[i]);
46         t+=b[i];
47     }
48     printf("\n");
49     printf("Process Id      Burst Time      Wait Time      TurnAround Time\n");
50     int wait_time=0;
51     for(int i=0;i<n;i++)
52     {
53         printf("P%d          %d          %d          %d\n",index[i],b[i],wait_time,wait_time + b[i]);
54         wait_time += b[i];
55     }
56     return 0;
57 }
```



C:\Users\hp\Documents\priority scheduling in c++

```
Enter Number of Processes: 4
Enter Burst Time and Priority Value for Process 1: 4 2
Enter Burst Time and Priority Value for Process 2: 3 1
Enter Burst Time and Priority Value for Process 3: 5 4
Enter Burst Time and Priority Value for Process 4: 6 3
Order of process Execution is
P1 is executed from 0 to 5
P2 is executed from 5 to 11
P3 is executed from 11 to 15
P4 is executed from 15 to 18
```

Process Id	Burst Time	Wait Time	TurnAround Time
1	4	0	4
2	3	5	8
3	5	11	16
4	6	15	21

```
Process exited after 28.57 seconds with return value 0
Press any key to continue . . .
```