

Project Classes Debug devcpp.exe filename os 2nd.c cpu scheduling program os.c scheduling program with smallest execution.c priority scheduling os.c pre-emptive priority scheduling.c

```

1  #include<stdio.h>
2  #include<conio.h>
3  int main()
4  {
5      int i, NOP, sum=0, count=0, y, quant, wt=0, tat=0, at[10], bt[10], temp;
6      float avg_wt, avg_tat;
7      printf(" Total number of process in the system: ");
8      scanf("%d", &NOP);
9      y = NOP;
10     for(i=0; i<NOP; i++)
11     {
12         printf("\n Enter the Arrival and Burst time of the Process[%d]\n", i+1);
13         printf(" Arrival time is: \t");
14         scanf("%d", &at[i]);
15         printf(" \nBurst time is: \t");
16         scanf("%d", &bt[i]);
17         temp[i] = bt[i];
18     }
19     printf("Enter the time Quantum for the process: \t");
20     scanf("%d", &quant);
21     printf("\n Process No \t\t Burst Time \t\t TAT \t\t Waiting Time ");
22     for(sum=0, i = 0; y!=0; )
23     {
24         if(temp[i] <= quant && temp[i] > 0)
25         {
26             sum = sum + temp[i];
27             temp[i] = 0;

```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ELLAYYA\OneDrive\Desktop\pre-emptive priority scheduling.exe
- Output Size: 129.8046875 KiB
- Compilation Time: 0.39s

C:\Users\ELLAYYA\OneDrive\Desktop\pre-emptive priority scheduling.exe

Total number of process in the system: 3

Enter the Arrival and Burst time of the Process[1]

Arrival time is: 11

Burst time is: 22

Enter the Arrival and Burst time of the Process[2]

Arrival time is: 33

Burst time is: 44

Enter the Arrival and Burst time of the Process[3]

Arrival time is: 55

Burst time is: 66

Enter the time Quantum for the process: 77

Process No	Burst Time	TAT	Waiting Time
Process No[1]	22	11	11