

```
32-
                       for (int i = i + 1; i < number of process; i++) {
               33
                         if (process[i].priority > process[position].priority)
               34
                           position = i:
               35
                       temp process = process[i]:
               36
               37
                       process[i] = process[position];
               38
                       process[position] = temp process;
               39
               40
                     process[0].waiting time = 0;
               41
                     for (int i = 1; i < number of process; i++) {
                       process[i].waiting time = 0;
               42
               43E
                       for (int j = 0; j < i; j++) (
                         process[i].waiting time += process[i].burst time;
               44
               45
               46
                       total += process[i].waiting time;
               47
               48
                     average waiting time = (float) total / (float) number of process;
               49
                     total = 0:
                     printf("\n\nProcess name \t Burst Time \t Waiting Time \t Turnaround Time\n"):
               50
               51
                      printf("-----\n"):
               52=
                      for (int i = 0: i < number of process: i++) {
               53
                       process[i].turn around time = process[i].burst time + process[i].waiting time;
               54
                       total += process[i].turn around time:
               55
                       printf("\t %c \t\t %d \t\t %d \t\t %d", process[i].process name, process[i].burst time, process[i].waiting time, process[i].turn around time);
               56
                       printf("\n----\n");
               57 -
               58
                     average turnaround time = (float) total / (float) number of process:
               59
                     printf("\n\n Average Waiting Time: %f", average waiting time);
                     printf("\n Average Turnaround Time: %f\n", average turnaround time);
               60
               61
                     return 0:
               62
© Compiler ☐ Resources To Compile Log ☐ Debug ☐ Find Results ★ Console
Line:
            1 Col:
                          1 Sel:
                                       O Lines:
                                                      62 Length:
                                                                      2435 Insert
                                                                                       Done parsing in 0.031 seconds
```

Select C:\Users\a	aswin\Documents\PRIC	ORITYOS.exe								×
Enter the total	l number of Proce	esses: 4								
Please Enter ti	he Burst Time ar	nd Priority of eac	th process:							•
	ils of the proces	ss A								
Enter the burst time: 31										
Enter the prior	rity: 4									
Enter the deta	ils of the proces	ss B								
Enter the burst time: 11										
Enter the prior	rity: 2									
Enter the deta	ils of the proces	ss C								
Enter the burst time: 5										
Enter the prior	rity: 1									
Enter the deta	ils of the proces	ss D								
Enter the burst										
Enter the prior										
Process name	Burst Time	Waiting Time	Turnaround Time							
		0								
D	15	31	46							
в		46	3/							
		57				201				
	ng Time : 33.5000									
Average Turna	round Time: 49.00	99999								
		onds with return v	/alue 0							
Press any key	to continue									