```
C:\Users\amarn\Favorites\New\MVSearch\OS>gcc sjf-pre.c

C:\Users\amarn\Favorites\New\MVSearch\OS>a
Shortest Remaining Time First
Enter the number of process: 5
Enter the arrival time , burst time of process
P1 : 1 4
P2 : 2 3
P3 : 3 7
P4 : 4 1
P5 : 5 2
 | P1 |2 P2 |3 P2 |4 P4 |5 P2 |6 P5 |7 P5 |8 P1 |9 P1 |10 P1 |11 P3 |12 P3 |13 P3 |14 P3 |15 P3 |16 P3 |17 P3 |18



Gantt Chart
-------------------------------------------------------------------
|   -1  |   1   |   2   |   4   |   2   |   5   |   1   |   3    |
-------------------------------------------------------------------
0       1       2       4       5       6       8       11      18

Process AT BT CT TAT WT
  P1     1  4 11  6 10
  P2     2  3  6  1  4
  P3     3  7 18  8 15
  P4     4  1  5  0  1
  P5     5  2  8  1  3
Average waiting time = 3.20
Average turnaround time = 6.60

C:\Users\amarn\Favorites\New\MVSearch\OS>
```