

## Test case :

```
C scheduler.c  process.txt  scheduler.h  Makefile  process_generator.h  process_generator.c  process.c  headers.h  projectfile.txt  processFINAL.txt
Desktop > project > process.txt
1 1 1 6 5
2 2 3 5 7
3 3 3 4 3
4 4 4 2 1
5 5 5 5 2
6 6 7 5 5
7
8 |
```

## SJF:

```
C scheduler.c  process.txt  scheduler.h  Makefile  process_generator.h  process_generator.c  process.c  headers.h  projectfile.txt  processFINAL.txt
Desktop > project > process.txt
1 #At time x process y state arr w total z remain y wait k
2 at time = 1 process with id =1 started at time 1 and waited for 0
3 at time = 8 process with id =1 finished at time 8 and waited for 0 and the TA time 7.00 and the WTA 1.17
4 at time = 8 process with id =4 started at time 8 and waited for 4
5 at time = 10 process with id =4 finished at time 10 and waited for 4 and the TA time 6.00 and the WTA 3.00
6 at time = 10 process with id =3 started at time 10 and waited for 7
7 at time = 14 process with id =3 finished at time 14 and waited for 7 and the TA time 11.00 and the WTA 2.75
8 at time = 14 process with id =2 started at time 14 and waited for 11
9 at time = 19 process with id =2 finished at time 19 and waited for 11 and the TA time 16.00 and the WTA 3.20
10 at time = 19 process with id =5 started at time 19 and waited for 14
11 at time = 24 process with id =5 finished at time 24 and waited for 14 and the TA time 19.00 and the WTA 3.80
12 at time = 24 process with id =6 started at time 24 and waited for 17
13 at time = 29 process with id =6 finished at time 29 and waited for 17 and the TA time 22.00 and the WTA 4.40
14
```

```
esktop > project > processFINAL.txt
1 CPU utilatiacion = 93.33
2 average turnaround time = 8.83
3 average waited turn around time 3.05
4 the Standererd WTA is 1.00
5
```

## HHPF:

```
1 #At time x process y state arr w total z remain y wait k
2 at time = 1 process with id =1 started at time 1 and waited for 0
3 at time = 3 process with id =1 stopped at time 3 and waited for 0
4 at time = 3 process with id =3 started at time 3 and waited for 0
5 at time = 4 process with id =3 stopped at time 4 and waited for 0
6 at time = 5 process with id =4 started at time 5 and waited for 1
7 at time = 7 process with id =4 finished at time 7 and waited for 1 and the TA time 3.00 and the WTA 1.50
8 at time = 7 process with id =5 started at time 7 and waited for 2
9 at time = 12 process with id =5 finished at time 12 and waited for 2 and the TA time 7.00 and the WTA 1.40
10 at time = 12 process with id =3 started at time 12 and waited for 9
11 at time = 15 process with id =3 finished at time 15 and waited for 9 and the TA time 12.00 and the WTA 4.00
12 at time = 15 process with id =1 started at time 15 and waited for 14
13 at time = 19 process with id =1 finished at time 19 and waited for 14 and the TA time 18.00 and the WTA 4.50
14 at time = 19 process with id =6 started at time 19 and waited for 12
15 at time = 24 process with id =6 finished at time 24 and waited for 12 and the TA time 17.00 and the WTA 3.40
16 at time = 24 process with id =2 started at time 24 and waited for 21
17 at time = 29 process with id =2 finished at time 29 and waited for 21 and the TA time 26.00 and the WTA 5.20
18 |
```

```
Desktop > project > E:\process\FINAL.txt
1 CPU utilization = 87.50
2 average turnaround time = 9.83
3 average waited turn around time 3.47
4 the Standerd WTA is 1.44
5
```

> from sta



No results



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