

What did we learn today?

This was an easy lab. I didn't learn any new programming techniques. Basically we were given some simple loop exercises to implement. It helps to understand how different scheduling schemes are more effective in different environments.

This document seems too empty.

Heres my output for 0xC0FFEE

bash-3.2\$./scheduling

Process arrival runtime priority

0	10	25	0
1	69	36	2
2	87	20	0
3	1	16	2
4	46	28	0
5	92	14	1
6	74	12	1
7	61	28	0
8	89	27	0
9	28	31	1
10	34	33	2
11	82	13	1
12	93	32	0
13	85	33	0
14	87	11	1
15	57	35	1
16	2	10	0
17	27	31	0
18	34	10	0
19	78	18	1

First come first served

Process 3 started at time 1
 Process 3 finished at time 17
 Process 16 started at time 17
 Process 16 finished at time 27
 Process 0 started at time 27
 Process 0 finished at time 52
 Process 17 started at time 52
 Process 17 finished at time 83
 Process 9 started at time 83
 Process 9 finished at time 114
 Process 10 started at time 114
 Process 10 finished at time 147
 Process 18 started at time 147
 Process 18 finished at time 157
 Process 4 started at time 157
 Process 4 finished at time 185
 Process 15 started at time 185
 Process 15 finished at time 220
 Process 7 started at time 220
 Process 7 finished at time 248

Process 1 started at time 248

Process 1 finished at time 284

Process 6 started at time 284

Process 6 finished at time 296

Process 19 started at time 296

Process 19 finished at time 314

Process 11 started at time 314

Process 11 finished at time 327

Process 13 started at time 327

Process 13 finished at time 360

Process 2 started at time 360

Process 2 finished at time 380

Process 14 started at time 380

Process 14 finished at time 391

Process 8 started at time 391

Process 8 finished at time 418

Process 5 started at time 418

Process 5 finished at time 432

Process 12 started at time 432

Process 12 finished at time 464

Average time from arrival to finish is 189 seconds

Shortest remaining time

Process 3 started at time 1

Process 3 finished at time 17

Process 16 started at time 17

Process 16 finished at time 27

Process 0 started at time 27

Process 0 finished at time 52

Process 18 started at time 52

Process 18 finished at time 62

Process 4 started at time 62

Process 4 finished at time 90

Process 14 started at time 90

Process 14 finished at time 101

Process 6 started at time 101

Process 6 finished at time 113

Process 11 started at time 113

Process 11 finished at time 126

Process 5 started at time 126

Process 5 finished at time 140

Process 19 started at time 140

Process 19 finished at time 158

Process 2 started at time 158

Process 2 finished at time 178
 Process 8 started at time 178
 Process 8 finished at time 205
 Process 7 started at time 205
 Process 7 finished at time 233
 Process 9 started at time 233
 Process 9 finished at time 264
 Process 17 started at time 264
 Process 17 finished at time 295
 Process 12 started at time 295
 Process 12 finished at time 327
 Process 10 started at time 327
 Process 10 finished at time 360
 Process 13 started at time 360
 Process 13 finished at time 393
 Process 15 started at time 393
 Process 15 finished at time 428
 Process 1 started at time 428
 Process 1 finished at time 464
 Average time from arrival to finish is 144 seconds

Round Robin

Process 3 started at time 1
 Process 16 started at time 2
 Process 0 started at time 11
 Process 16 finished at time 26
 Process 9 started at time 28
 Process 17 started at time 29
 Process 18 started at time 34
 Process 10 started at time 38
 Process 4 started at time 49
 Process 3 finished at time 56
 Process 15 started at time 59
 Process 7 started at time 64
 Process 1 started at time 71
 Process 19 started at time 79
 Process 6 started at time 83
 Process 11 started at time 87
 Process 13 started at time 88
 Process 14 started at time 89
 Process 2 started at time 96
 Process 5 started at time 98
 Process 8 started at time 101
 Process 12 started at time 105
 Process 18 finished at time 129
 Process 14 finished at time 263
 Process 0 finished at time 267
 Process 6 finished at time 272
 Process 11 finished at time 291
 Process 5 finished at time 313
 Process 19 finished at time 346
 Process 2 finished at time 381
 Process 9 finished at time 405

Process 17 finished at time 410
 Process 4 finished at time 412
 Process 7 finished at time 427
 Process 10 finished at time 435
 Process 8 finished at time 440
 Process 15 finished at time 459
 Process 12 finished at time 461
 Process 13 finished at time 462
 Process 1 finished at time 464
 Average time from arrival to finish is 279 seconds

Round Robin with priority

Process 3 started at time 1
 Process 3 finished at time 17
 Process 0 started at time 17
 Process 16 started at time 18
 Process 17 started at time 27
 Process 9 started at time 28
 Process 10 started at time 34
 Process 10 finished at time 67
 Process 15 started at time 68
 Process 1 started at time 69
 Process 1 finished at time 105
 Process 5 started at time 105
 Process 6 started at time 106
 Process 11 started at time 108
 Process 14 started at time 109
 Process 19 started at time 111
 Process 14 finished at time 180
 Process 6 finished at time 184
 Process 11 finished at time 191
 Process 5 finished at time 194
 Process 19 finished at time 209
 Process 9 finished at time 220
 Process 15 finished at time 231
 Process 2 started at time 232
 Process 4 started at time 233
 Process 7 started at time 234
 Process 8 started at time 235
 Process 12 started at time 236
 Process 13 started at time 237
 Process 18 started at time 240
 Process 16 finished at time 279
 Process 18 finished at time 326
 Process 0 finished at time 399
 Process 2 finished at time 400
 Process 8 finished at time 445
 Process 4 finished at time 449
 Process 7 finished at time 450
 Process 17 finished at time 459
 Process 12 finished at time 462
 Process 13 finished at time 464
 Average time from arrival to finish is 229 seconds