

Makefile:

```
singh@ubuntu: ~/Documents/lab4
File Edit View Search Terminal Help
singh@ubuntu:~$ atom
singh@ubuntu:~$ cd Documents/lab4
singh@ubuntu:~/Documents/lab4$ make
clang -Wall -Wextra -std=gnu99 -O0 -g3 -c hostd.c
hostd.c:33:14: warning: unused parameter 'argc' [-Wunused-parameter]
int main(int argc, char *argv[])
          ^
1 warning generated.
make: *** No rule to make target 'test.o', needed by 'test'. Stop.
singh@ubuntu:~/Documents/lab4$
```

Process executable:

```
singh@ubuntu: ~/Documents/lab4
File Edit View Search Terminal Help
make: *** No rule to make target 'test.o', needed by 'test'. Stop.
singh@ubuntu:~/Documents/lab4$ ./process
2888; START
2888; tick 1
2888; tick 2
2888; tick 3
2888; tick 4
2888; tick 5
2888; tick 6
2888; tick 7
2888; tick 8
2888; tick 9
2888; tick 10
2888; tick 11
2888; tick 12
2888; tick 13
2888; tick 14
2888; tick 15
2888; tick 16
2888; tick 17
2888; tick 18
2888; tick 19
2888; tick 20
singh@ubuntu:~/Documents/lab4$
```

Hostd executable:

```
singh@ubuntu: ~/Documents/lab4
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2888; tick 15
2888; tick 16
2888; tick 17
2888; tick 18
2888; tick 19
2888; tick 20
singh@ubuntu:~/Documents/lab4$ ./hostd
Loading...
Finished loading
Arrival Time: 0 | Priority: 0 | Time Left: 1 | Size: 64bytes | Printers: 0 | Scanners: 0 | Modems: 0, CDs: 0
2928; START
2928; tick 1
2928; SIGINT
priority 1
priority 1
Arrival Time: 3 | Priority: 0 | Time Left: 3 | Size: 64bytes | Printers: 0 | Scanners: 0 | Modems: 0, CDs: 0
2929; START
2929; tick 1
2929; tick 2
2929; tick 3
2929; SIGINT
```

```
singh@ubuntu: ~/Documents/lab4
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Arrival Time: 0 | Priority: 1 | Time Left: 3 | Size: 128bytes | Printers: 1 | Scanners: 0 | Modems: 0, CDs: 1
2930; START
2930; tick 1
2930; SIGTSTP
Arrival Time: 2 | Priority: 1 | Time Left: 5 | Size: 128bytes | Printers: 0 | Scanners: 1 | Modems: 0, CDs: 0
2931; START
2931; tick 1
2931; SIGTSTP
Arrival Time: 4 | Priority: 1 | Time Left: 10 | Size: 512bytes | Printers: 2 | Scanners: 1 | Modems: 1, CDs: 2
2932; START
2932; tick 1
2932; SIGTSTP
priority 2
Arrival Time: 2 | Priority: 2 | Time Left: 3 | Size: 64bytes | Printers: 0 | Scanners: 0 | Modems: 0, CDs: 0
2933; START
2933; tick 1
2933; SIGTSTP
Arrival Time: 4 | Priority: 2 | Time Left: 5 | Size: 256bytes | Printers: 0 | Scanners: 1 | Modems: 0, CDs: 0
2934; START
```

```
singh@ubuntu: ~/Documents/lab4
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2933; START
2933; tick 1
2933; SIGTSTP
Arrival Time: 4 | Priority: 2 | Time Left: 5 | Size: 256bytes | Printers: 0 | Scanners: 1 | Modems: 0, CDs: 0
2934; START
2934; tick 1
2934; SIGTSTP
Arrival Time: 0 | Priority: 2 | Time Left: 2 | Size: 128bytes | Printers: 1 | Scanners: 0 | Modems: 0, CDs: 1
queue is empty, exiting.
2934; SIGCONT
2933; SIGCONT
2932; SIGCONT
2931; SIGCONT
2930; SIGCONT
singh@ubuntu:~/Documents/lab4$ 2932; tick 2
2931; tick 2
2931; SIGHUP
2930; tick 2
2932; SIGHUP
2930; SIGHUP
2933; tick 2
```