HW7 Report

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Screenshots

Compile

```
$ make
javac ./com/mcs/os/DirectoryManager.java -d ../classes
javac ./com/mcs/os/Disk.java -d ../classes
javac ./com/mcs/os/DiskManager.java -d ../classes
javac ./com/mcs/os/FileInfo.java -d ../classes
javac ./com/mcs/os/Printer.java -d ../classes
javac ./com/mcs/os/PrinterManager.java -d ../classes
javac ./com/mcs/os/PrinterManager.java -d ../classes
javac ./com/mcs/os/PrintJobThread.java -d ../classes
javac ./com/mcs/os/UserThread.java -d ../classes
javac ./com/mcs/os/Test.java -d ../cl
```

Running

Thread-7 starts printing to file PRINTER1, content from file Y2, content= 2.Y4 Y4444444

Thread-8 ends reading from Disk 1, data= 2.Y4 Y44444444

Thread-8 starts printing to file PRINTER2, content from file Y2, content= 2.Y4 Y4444444

Thread-6 ends reading from Disk 1, data= 2.Y9 Y9999999

Thread-6 starts printing to file PRINTER3, content from file Y2, content= 2.Y9 Y9999999

Thread-7 ends printing to file PRINTER1

Thread-7 starts reading from Disk 1, sector=4 Thread-8 ends printing to file PRINTER2

Thread-8 starts reading from Disk 1, sector=4 Thread-6 ends printing to file PRINTER3

Thread-9 starts reading from Disk 1, sector=0 Thread-7 ends reading from Disk 1, data= 2.Y5 Y5555555

Thread-7 starts printing to file PRINTER1, content from file Y2, content= 2.Y5 Y5555555

Thread-8 ends reading from Disk 1, data= 2.Y5 Y5555555

Thread-8 starts printing to file PRINTER2, content from file Y2, content= 2.Y5 Y5555555

Thread-9 ends reading from Disk 1, data= 2.Y1 Y1111111

Thread-9 starts printing to file PRINTER3, content from file Y2, content= 2.Y1 Y1111111

Thread-7 ends printing to file PRINTER1

Printer1 Output

```
1. xiaoweit@andromeda-27:~/253p/hw/hw7/src (ssh)
$ cat PRINTER1
1.W1 W1111111
1.W1 W2222222
1.W1 W3333333
1.W1 W4444444
1.W1 W5555555
2.Y1 Y1111111
2.Y2 Y2222222
2.Y3 Y3333333
2.Y4 Y444444
2.Y5 Y5555555
2.Y6 Y6666666
2.Y7 Y7777777
2.Y8 Y8888888
2.Y9 Y9999999
4.W1 W1111111
4.W2 W2222222
4.W3 W3333333
4.W4 W444444
4.W5 W5555555
1.X1 X1111111
1.X1 X2222222
1.X1 X3333333
1.X1 X4444444
1.X1 X5555555
4.W1 W1111111
4.W2 W2222222
4.W3 W3333333
4.W4 W444444
4.W5 W555555
1.W1 W1111111
1.W1 W2222222
1.W1 W3333333
1.W1 W4444444
1.W1 W5555555
3.BAR1 11111111
3.BAR2 22222222
3.BAR3 33333333
3.BAR4 4444444
3.BAR5 5555555
4.W1 W1111111
4.W2 W222222
4.W3 W3333333
4.W4 W444444
4.W5 W5555555
4.Y1 Y1111111
4.Y2 Y222222
4.Y3 Y3333333
4.Y4 Y444444
4.Y5 Y555555
xiaoweit@andromeda-27 11:59:30 ~/253p/hw/hw7/src
```

Printer2 Output

```
1. xiaoweit@andromeda-27:~/253p/hw/hw7/src (ssh)
$ cat PRINTER2
1.W1 W1111111
1.W1 W2222222
1.W1 W3333333
1.W1 W4444444
1.W1 W5555555
2.Y1 Y1111111
2.Y2 Y2222222
2.Y3 Y3333333
2.Y4 Y4444444
2.Y5 Y5555555
2.Y6 Y6666666
2.Y7 Y7777777
2.Y8 Y8888888
2.Y9 Y9999999
4.F1 11111111
4.F2 22222222
4.F3 33333333
4.F4 44444444
4.F5 5555555
1.W1 W1111111
1.W1 W2222222
1.W1 W3333333
1.W1 W4444444
1.W1 W5555555
1.Z1 Z1111111
1.Z1 Z2222222
1.Z1 Z3333333
1.Z1 Z4444444
1.Z1 Z5555555
4.X1 X1111111
4.X2 X2222222
4.X3 X3333333
4.X4 X444444
4.X5 X5555555
1.X1 X1111111
1.X1 X2222222
1.X1 X3333333
1.X1 X4444444
1.X1 X5555555
3.BAR1 11111111
3.BAR2 22222222
3.BAR3 33333333
3.BAR4 4444444
3.BAR5 5555555
xiaoweit@andromeda-27 12:00:43 ~/253p/hw/hw7/src
```

Printer3 Output

