

# Examples

Consider the following 4 invocations of `logappend` followed by an invocation of `logread`:

```
$ ./logappend -T 1 -K secret -A -E Fred log1
$ ./logappend -T 2 -K secret -A -G Jill log1
$ ./logappend -T 3 -K secret -A -E Fred -R 1 log1
$ ./logappend -T 4 -K secret -A -G Jill -R 1 log1
```

These commands have used the key *secret* to append 4 events to the log `log1`, recording the arrival of *Fred* and *Jill* in room *1* of the gallery. If `logread` is then used to print the state of the gallery, the following should be printed:

```
$ ./logread -K secret -S log1
Fred
Jill
1: Fred,Jill
```

If we continue using `log1` and record some movements, we can then use `logread` to get a list of the rooms entered by Fred.

```
./logappend -T 5 -K secret -L -E Fred -R 1 log1
./logappend -T 6 -K secret -A -E Fred -R 2 log1
./logappend -T 7 -K secret -L -E Fred -R 2 log1
./logappend -T 8 -K secret -A -E Fred -R 3 log1
./logappend -T 9 -K secret -L -E Fred -R 3 log1
./logappend -T 10 -K secret -A -E Fred -R 1 log1
./logread -K secret -R -E Fred log1
1,2,3,1
```

We can also use `logappend` in batch mode like so (on a fresh log `log2`):

```
$ cat batch
-K secret -T 0 -A -E John log2
-K secret -T 1 -A -R 0 -E John log2
-K secret -T 2 -A -G James log2
-K secret -T 3 -A -R 0 -G James log2
$ ./logappend -B batch
$ ./logread -K secret -S log2
John
James
0:James,John
```