

Lab Exercise for Week 3

Implement the Boss-Worker example discussed in the lectures. The example should be based on your existing Date, Person and LoP classes.

A Boss object can be created without any workers, and has methods to add and remove workers.

```
void add_worker(Worker)
void sub_worker(Worker)
```

The Worker objects associated with a Boss can be found by the two methods

```
Worker next() // returns next Worker or null
void reset() // back to start of Workers
```

It will also have a print(PrintStream) method.

A Worker object must always have a Boss. It has methods:

```
void new_boss(Boss)
Boss get_boss()
void print(PrintStream)
```

Write a test program to create several bosses and workers, storing them in a LoP object. Your program should then iterate through this list, printing out every Person in it.

Demonstrate your solution by the lab on 3rd February.