

THE UNIVERSITY OF MELBOURNE
School of Computing and Information Systems
COMP90041
Programming and Software Development
Second Semester, 2018
Lab 6 — Programming Practice (Week 7)
Writing Mutable Classes

This exercise continues your work from last week.

Workshop Exercises

These are just for practice, and will not be assessed.

1. Revise your **Character** class from last lab by adding or modifying methods so that the class is now mutable. Ensure your class is not subject to privacy leaks.

Homework

These will also not be assessed.

2. Revise your **Movie** class from last week to use your new mutable **Character** class. Minimally adapt your testing code from last week to test your new **Movie** class.
3. Compare the difficulty of avoiding *privacy leaks* when using immutable classes for all instance variables with the difficulty when some instance variables hold mutable objects.