# Lab 7: Chapter 17, “Recursion”

The following exercises are intended to help you apply and practise the concepts introduced in this module. This work is **not** submitted for marks.

1. Write a recursive definition of xy (x raised to the power y), where x and y are integers and y > 0.
2. Write a recursive definition of *i × j* (integer multiplication), where *i* > 0. Define the multiplication process in terms of integer addition. For example, 4 × 7 is equal to 7 added to itself 4 times.
3. Implement your solution to question 2 above in Java.

Review your work against the suggested Lab 7 solution.