

COMP 314 Homework Assignment B

- (Ungraded) Do all of the practical exercises recommended in the text of Chapter 3. In particular:
 - run `countLines(rf('countLines.py'))`
 - Run all the commands in Figure 3.3, and verify the output.
 - Use `yesOnStringApprox.py` to verify the outputs in Figure 3.4 wherever possible. Which lines produce the result “unknown”, and why?
 - Use `yesOnSelfApprox.py` to verify the outputs in Figure 3.5 wherever possible.
- Exercise 3.3 (10 points)
- Exercise 3.5 (10 points)
- Exercise 3.6 (Ungraded)
- Exercise 3.7 (Ungraded)
- Exercise 3.8 (5 points)
- Exercise 3.10 (15 points)
- Exercise 3.11 (Ungraded)
- Exercise 3.12 (Ungraded)
- Exercise 3.13 (5 points)
- Exercise 3.15 (10 points)
- (Ungraded) Do all of the practical exercises recommended in the text of Chapter 4. In particular, run each of the sorting programs in Figure 4.2 on a few test inputs. Verify that the first two work correctly on all inputs, but the last works only on some inputs.
- Exercise 4.1
 - (a) (3 points)
 - (b) (1 point)
 - (c) (3 points)
 - (d) (4 points)
- Exercise 4.2 (1 point)
- Exercise 4.3 (1 point)
- Exercise 4.4 (8 points)
- Exercise 4.5 (4 points)
- Exercise 4.6 (Ungraded)

- Exercise 4.7 (Ungraded)
- Exercise 4.8 (Ungraded)
- Exercise 4.9 (Ungraded)
- Exercise 4.10 (10 points)
- Exercise 4.11 (3 points)
- Exercise 4.12 (3 points)
- Exercise 4.13 (4 points)
- Exercise 4.14 (Ungraded)
- Exercise 4.15 (3 points)
- Exercise 4.17 (Ungraded)
- Exercise 4.18 (Ungraded)
- Exercise 4.19 (4 points)
- Exercise 4.20 (5 points)
- Exercise 4.23 (Ungraded)
- Exercise 4.24 (10 points)

Total points on this assignment: 122