

# CT5177 Exam 2024 Hints

Section A - answer 2 Questions

Question 1: MCQs from Chapter 1 - 4

Question 2: Focus on Chapter 02 and Chapter 03 Assignment Questions

Question 3: Focus on Chapter 04, ,and for loop Assignment Questions

Section B - answer 2 Questions

- We're covering ArrayLists in section 10
- We're covering Conway's Game of Life in section 10
- We're covering searching and sorting in section 11

Q4

A one-class program which uses nested loops. Quite similar to the Conways Game of Life example which we will be covering in class. This question will be very quick to answer, if you know what you're doing.

Q5

Write a Dictionary class - this is very similar to the one we're studying in week 9 of the lectures. However you will be asked to extend the Dictionary in a specific way. A Tester class is provided which your Dictionary class should adhere to. Uses searching.

Q6

Write a program which will manipulate data from three text files: surnames.txt, forenames\_female.txt, and forenames\_male.txt. We'll be doing an example in section 10 which covers much of this. You'll be asked to write a Name class which holds data on a name, and a Person class which contains a surname and a forename. A Tester class is supplied, which reads from the files and builds ArrayLists of Names objects (i.e. you won't have to write the file-handling code)