

CS22510 assignment 2

Aphids and ladybugs — languages comparison

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1 Introduction

This is the second of two CS22510 assignments. It will count for 20% of the total marks for the module. You should spend roughly 15 hours of effort on this assignment.

Note that this assignment is being given out now so that you are aware of it while you are doing Assignment 1. You are however not expected to start work on this assignment until after you have finished Assignment 1.

You must submit your assignment as a ‘pdf’ file, via Turnitin on Blackboard before the deadline of 4:00pm on Thursday 16th April 2015. You may submit your assignment at any time up to the deadline.

2 The task

Write a report of about 2,000 words. Based on your experience of Java and C and the C++ program developed for the first assignment, write a report that should:

1. Compare and contrast the three languages Java, C and C++ in the context of the given programming task. In particular, you should discuss any aspect of the three languages that would have supported or hindered the representation of your solution in code.
2. Discuss, in the light of the comments you have made in the part above, which language would be most suitable for the task at hand, and why.

3 Assessment

This assignment will be assessed using the Assessment Criteria for Essays. See the Student Handbook, Appendix AC, at <http://www.aber.ac.uk/compsci/Dept/Teaching/Handbook/AppendixAC.pdf>.

The specific items assessed are given in Table 1.

Table 1: Assessed aspects of your work and their value

What	Value
Compare and contrast	60%
Suitability	30%
Presentation	10%

4 Final remarks

This is an individual assignment and must be completed as a one person effort by the student submitting the work. Please take note of the statement on Plagiarism and Unfair Practice which can be found in Section 6 of the Department Handbook¹.

By submitting your work to Turnitin, you agree to the statement about the Declaration of Originality. This statement is the same as that shown on the Anonymous Marking Sheet Cover. You do not need to submit a separate declaration form.

Contact the lecturers should you have any queries.

¹<http://www.aber.ac.uk/compsci/Dept/Teaching/Handbook/handbook.htm>