

2001 Paper 1 Question 9

Programming in Java

For each of the following areas, write brief comments on the way in which Java and its libraries have been designed to try to prevent programmers from making undetected errors and to ensure that code runs on all possible brands and models of computer, yielding the same results in each case.

- (a) Programmers who get mildly confused about syntax or who make typing errors. [4 marks]
- (b) Groups of programmers working on libraries that will form part of some large project. [4 marks]
- (c) Numbers, characters, trig functions and so on. [4 marks]
- (d) Opening files, reading or writing and then closing them. [4 marks]
- (e) Other features of Java not falling centrally within any of the above categories. [4 marks]