

1998 Paper 1 Question 9

Programming in Java

A complete Java program may use the same name for several different methods or variables. Java has a number of features that allow the user to prevent such re-use of names from causing chaos. Describe these under the headings:

- (a) scope rules within individual functions; [6 marks]
- (b) visibility of method names within classes, and the effects of inheritance; [8 marks]
- (c) avoiding ambiguity when referring to the names of classes. [6 marks]