

2002 Paper 1 Question 3

Java

For each of the following language areas explain what Java provides and compare it with the nearest corresponding feature in ML (in each case viewing the languages in terms of the aspects of them covered in the Part IA lecture courses):

- (a) the primitive data-types provided; [3 marks]
- (b) exceptions: declaring, raising and handling them; [3 marks]
- (c) having a function call, say $f(x)$, do different things based on the actual argument being one of several possible variations on some sort of data type. [4 marks]