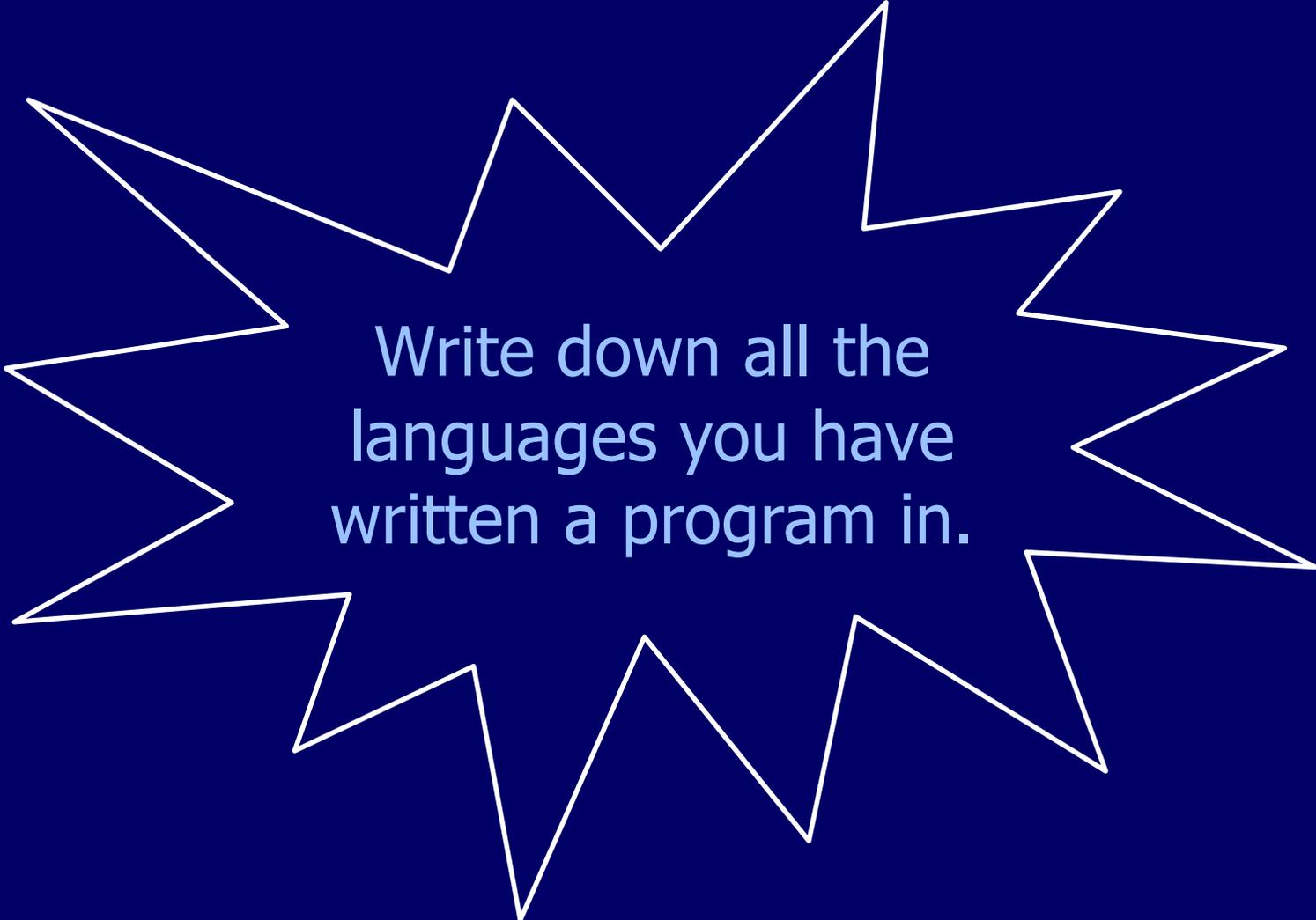


PROGRAMMING PARADIGMS



Jason Atkin and Graham Hutton
University of Nottingham

Exercise



Write down all the languages you have written a program in.

Background

In programming and algorithms, you learned the basics of imperative programming in C:

- Variables and assignments;
- Basic control structures;
- Basic data structures;
- Functions and parameters;
- Pointers and memory management.

Background

In this module, you'll learn the basics of:

Object-oriented
programming
in Java

and

Functional
programming
in Haskell



Lectures

- Four one-hour lectures per week; further details are available on the module web page.

Labs

- One two-hour lab per week, where you can get help with exercises and coursework.

Course Materials

Everything you need is available on moodle:



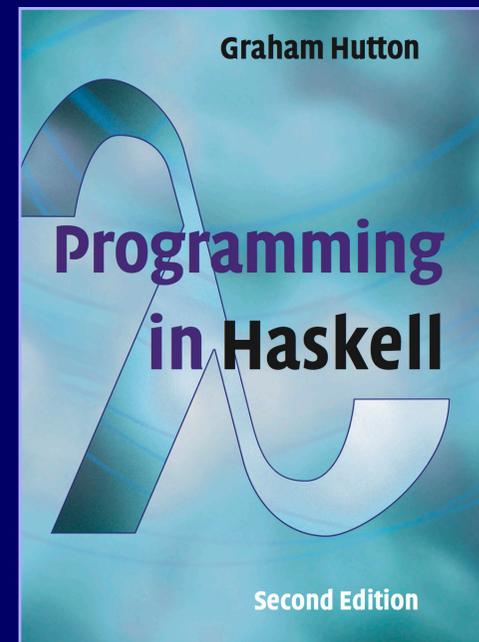
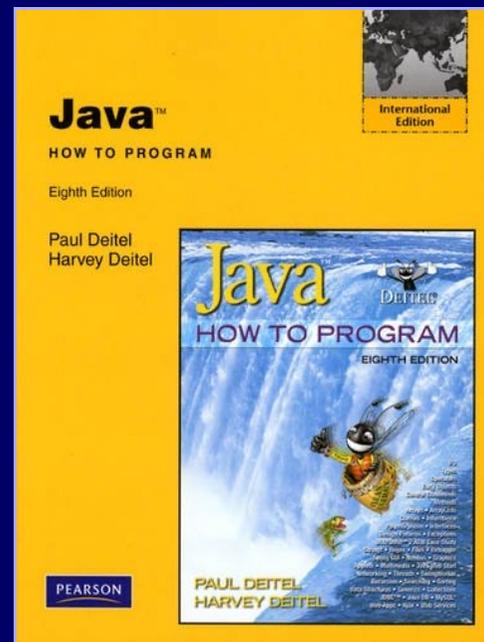
Programming Paradigms (COMP1009 UNUK)

Overview

In this module you'll learn the basic principles of the object-oriented and functional approaches to programming, using the languages Java and Haskell. You'll also see how they can be used in practice to write different kinds of programs.

Textbook

In addition to our course materials, there is also a recommended textbook for each paradigm:



Assessment

- Java coursework (15%);
- Haskell coursework (15%);
- Written examination (70%).

You can get help with the coursework and exercises in the weekly labs.