Programming Paradigms and Languages
Teachers

- Prof. Giacomo Cabri
  - Tel. 059/2058320
  - Email giacomo.cabri@unimore.it

- Meets students
  - Monday 15-17
Training Goals

- To present and to compare different programming paradigms
- To present specific programming languages
Program

- Programming paradigms
  - General concepts and imperative paradigm
  - Functional paradigm
  - Examples of languages
    - LISP
    - Java 8
  - Logic paradigm and Prolog

- Programming languages
  - Client-side and server-side Web technologies
  - Client-side: JavaScript
  - Server-side: JEE
Caveat

- This course will propose a landscape of the programming paradigms and languages
  - We will not go into details of a specific language
- This course will show the practical aspects of the programming paradigms and languages
  - We will not study the theoretical aspects
Exam

- 6 CFU
- Project
  - Single or group
  - Development using one or more studied language
  - See the course web site for more information
- Presentation and discussion of the project
  - Report
  - Project execution
- Oral questions
Material

- Course site:
Reference texts

- Teachers’ slides
  - Thanks to prof. Enrico Denti of University of Bologna and to prof. Riccardo Lancellotti of University of Modena and Reggio Emilia

- Books:
  - Maurizio Gabbrielli, Simone Martini, Linguaggi di programmazione - Principi e paradigmi, mcgraw-hill
  - Raoul-Gabriel Urma, Mario Fusco, and Alan Mycroft, Java 8 in Action, Manning

- Online
  - A lot of material