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This is the documentation for teaching Python programming to high school students, available on GitHub at https://github.com/davoudss/python_teaching. To obtain the latest version simply execute

```
git clone https://github.com/davoudss/python_teaching.git
```
1.1 Introduction

This learning package provides materials for teaching Python programming for high school students.

This package consists of two sections:

- Lecture 1: Basic programming using Python
- Bisection (Solution)
- Hares (solution)
- Mandelbrot (solution)
- Lecture 2: Advanced programming using Python
- Derivator (solution)
- PolyClass (solution)
- FrequencyResponse (solution)

1.1.1 Getting started

Each lecture consists of some homeworks. The solutions to the homeworks are also available here.

init % sets up paths
make % ??

Example:

cd ..
init
make
run

1.2 Mathematical background

In this file we add the references to all the papers and books.

GPU programming:

1.3 C interface

TBD

1.4 Function reference

1.4.1 PageRank
Indices

- genindex
- modindex