

Python

Introduction



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Time to solution is determined by:

how long it takes to write a program

how long it takes that program to run

human time

machine time

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Time to solution is determined by:

how long it takes to how long it takes that write a program program to run

human time machine time

Every language makes a trade-off between these

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Python Java Fortran MATLAB C# C

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Teaching you Python is *not* the point of this course But we have to write examples in some language... ...and Python has proven to be easier to pick up than alternatives which are also:

- free
- cross-platform
- widely used
- well documented
- well supported

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This course will *not* teach you basic programming Assume you already know:

- variables
- loops
- conditionals (if / else)
- lists / arrays
- how to read data from a file

This lecture will show you how to do these in Python

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