

*Ali Ahari*

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# Python

A Brief Introduction

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# Who am I?

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- ❖ Ali Ahari
  - ❖ B.Sc. & M.Sc. Sharif University of Technology
  - ❖ Phd. student at University of Tübingen
  - ❖ Currently working at Forschungszentrum Informatik FZI
- ❖ Email: [ahari@mailbox.org](mailto:ahari@mailbox.org)
- ❖ Complementary course: <https://classroom.udacity.com/courses/ud1110>



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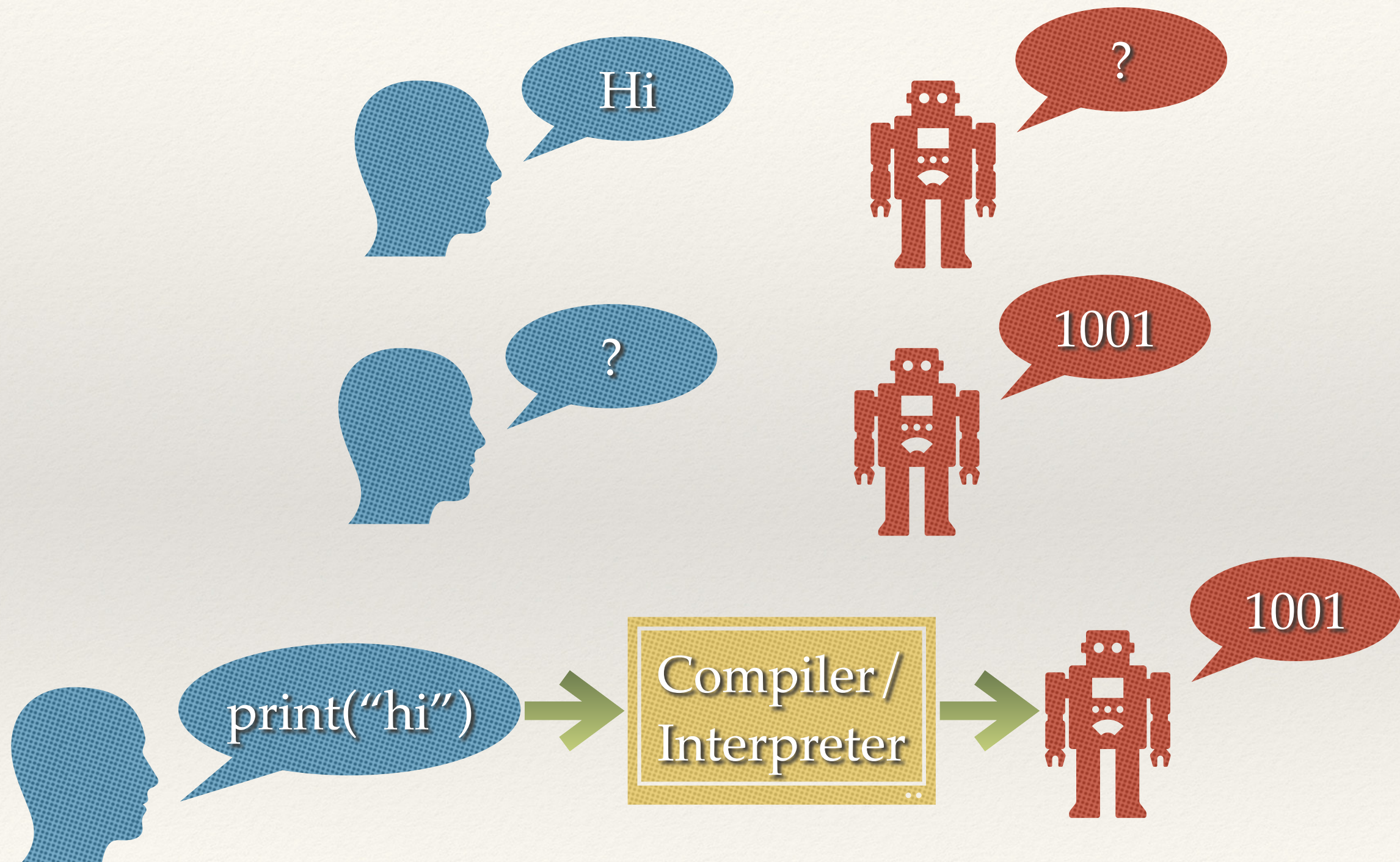
# Who are you?

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- ❖ Introduce yourself!
  - ❖ Name
  - ❖ Occupation
  - ❖ Why are you here!?

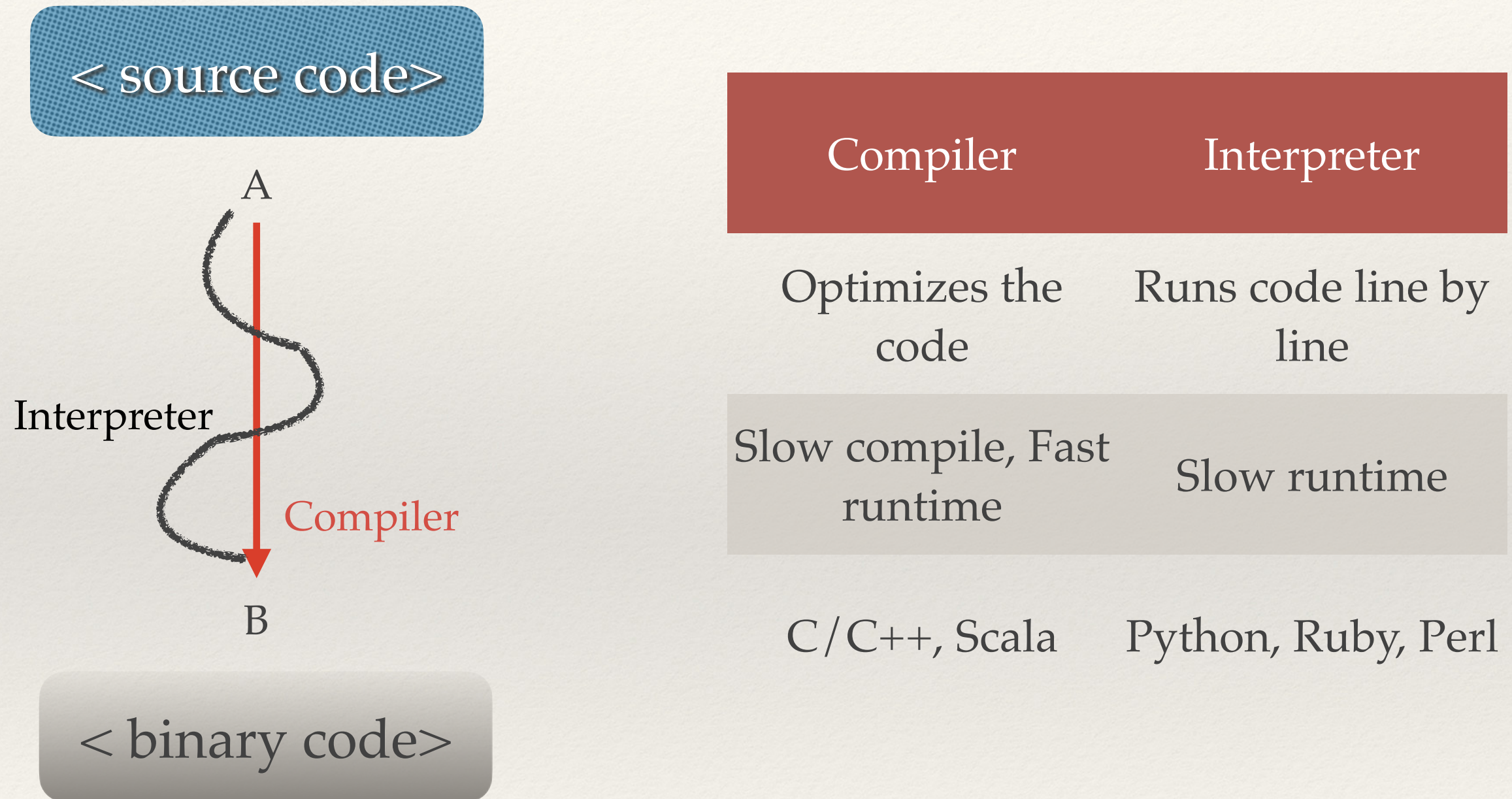


# What is a programming language?





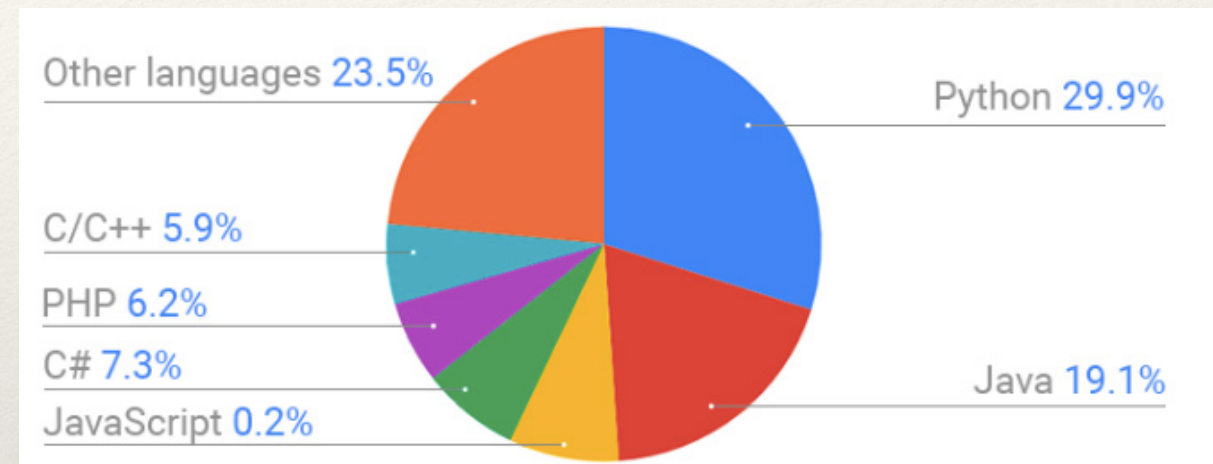
# Compiler vs. Interpreter





# What is Python?

- ❖ Python is an *interpreted* programming language
- ❖ Python comes in two flavors:
  - ❖ Python 2 (end of life: 2.7)
    - ❖ deprecated since January 2020
  - ❖ Python 3 (currently 3.8)
    - ❖ Not backward compatible!
    - ❖ We are going to use Python 3





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# What you need for this class?

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- ❖ A Python Interpreter!
  - ❖ By default available on Linux & Mac
  - ❖ On windows install Anaconda ( <https://www.anaconda.com/products/individual> )
- ❖ A Git Client (optional):
  - ❖ By default available on Linux & Mac
  - ❖ Use Tortoise for Windows (<https://tortoisegit.org/download>)
- ❖ No Laptop / PC:
  - ❖ Use an online interpreter: <https://repl.it/languages/python3>



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# How to access course material?

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- ❖ You can access all course materials (slides, source codes, ...) through the git repository:
  - ❖ <https://github.com/aliahari/python-lecture>
- ❖ Register on github.com
- ❖ git clone <https://github.com/aliahari/python-lecture.git>
- ❖ Each week get the latest updates: git pull



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# Homework

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- ❖ Define a personal project for yourself
- ❖ Send me the name of the charity and the amount that you are willing to pay for your missed classes