

Installation/IDE/Debugging

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COMPSCI235 Lab 1

Hello

My name is Nisarag and I am in 4th Year Software Engineering

- ▶ Ask questions on Piazza instead of emailing me so your classmates can see the question and answers
- ▶ These slides will be on Canvas, and any source code demonstrated along with TeX source code for these slides can be found on [my GitHub](#)

Learning Outcomes

- ▶ Install Python
- ▶ Understand Integrated Development Environments (IDEs)
- ▶ Configure PyCharm IDE for software development in Python programming language
- ▶ Create a Python based project in PyCharm IDE
- ▶ Write and debug a set of basic python programs in PyCharm IDE

Installation

Question

Who here has installed Python 3?

Installation

Question

Who here has installed Python 3?

If you haven't, please download it from [here](#)

PyCharm

- ▶ JetBrains is a company which makes many IDE's for various languages. An IDE they have for Python is PyCharm.
- ▶ Download the Community Edition of PyCharm from [here](#)
- ▶ If you want, you can also get the professional version by signing up to JetBrains with your university email!
- ▶ Follow installation steps

Demo

- ▶ Time for a demo with PyCharm and Debugging
 - ▶ Calculate and print factorial of a number
 - ▶ Print first 20 Fibonacci numbers
- ▶ Code examples will be posted to Github