

Python Workshop 2018

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<https://github.com/ayansengupta17/PythonWorkshop>

Why Python?



Today's Plan

- Syntax, Variables, Numbers
- Operators
 - Arithmetic operators
 - Logical operators
 - Membership operators
 - Identity operators
- Flow Control
 - If ... else
 - For loop
 - While loop
 - Break, continue and pass



Today's Plan

- Data types
 - Lists
 - Tuples
 - Set
 - Dictionary
- Functions
 - Function argument
 - Lambda function
 - Local global scope
 - Few built in functions



Programs we will be writing

- Detecting Prime numbers
- Detect even , odd number
- Matrix Multiplication
- Transpose of a Matrix
- Simple Calculator

In Pythonic way

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Things that won't be covered

- File handling
- Exception handling
- Object and Class
- Iterator
- Generator
- Assert
- Decorators

