

An Introduction to Python

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1 Why Python?

2 How to Run Programs?

3 Object and data types

3.1. Object types.

3.2. Numeric Types.

3.3. Dynamic Typing.

4 Python Statements and Syntax

5 Functions

6 Exceptions

7 Packages and Modules

8 Object Oriented Programming in Python

9 Case Studies

9.1. Merge Sort.

9.2. Linked Lists.

9.3. Single Server Queue Simulation (M/M/1).

9.4. Machine Learning: The Perceptron Classifier.