Multithreading and Multiprocessing in Python

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Introduction

Introduction

Thread & Process

What?

Process

• **Process** is a program in execution state

Thread

- Thread is a lightweight process
- A process can have multiple threads

Why

- A program is **CPU** bound if it would go faster if the CPU were faster
- A program is **I/O bound** if it would go faster if the **I/O subsystem** (disk, networking) was faster

Multithreading and Multiprocessing

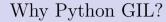
Multithreading

Multiprocessing

GIL







Pros and Cons