Mindluster Platform

# About the course Mastering Concurrency in Python

Mastering Concurrency in Python starts by introducing the concepts and principles in concurrency, right from Amdahl's Law to multithreading programming, followed by elucidating multiprocessing programming, web scraping, and asynchronous I/O, together with common problems that engineers and programmers face .

**Programming Category's Courses**

# Course Lesson(19)

Lesson 1 :
**Mastering Concurrency in Python | 1 Advanced Introduction to Concurrent and Parallel Programming**

Lesson 2 : **Mastering Concurrency in Python | 2 Amdahl s Law**

Lesson 3 : **Mastering Concurrency in Python | 3 Working with Threads in Python**

Lesson 4 : **Mastering Concurrency in Python | 4 Using the with Statement in Threads**

Lesson 5 : **Mastering Concurrency in Python | 5 Concurrent Web Requests**

Lesson 6 : **Mastering Concurrency in Python | 6 Working with Processes in Python**

Lesson 7 : **Mastering Concurrency in Python | 7 Reduction Operators in Processes**

Lesson 8 : **Mastering Concurrency in Python | 8 Concurrent Image Processing**

Lesson 9 : **Mastering Concurrency in Python | 9 Introduction to Asynchronous Programming**

Lesson 10 :
**Mastering Concurrency in Python | 10 Implementing Asynchronous Programming in Python**

Lesson 11 : **Mastering Concurrency in Python | 11 Building Communication Channels with asyncio**

Lesson 12 : **Mastering Concurrency in Python | 12 Deadlocks**

Lesson 13 : **Mastering Concurrency in Python | 13 Starvation**

Lesson 14 : **Mastering Concurrency in Python | 14 Race Conditions**

Lesson 15 : **Mastering Concurrency in Python | 15 The Global Interpreter Lock**

Lesson 16 :
**Mastering Concurrency in Python | 16 Designing Lock Based and Mutex Free Concurrent Data Structures**

Lesson 17 : **Mastering Concurrency in Python | 17 Memory Models and Operations on Atomic Types**

Lesson 18 : **Mastering Concurrency in Python | 18 Building a Server from Scratch**

Lesson 19 :
**Mastering Concurrency in Python | 19 Testing Debugging and Scheduling Concurrent Applications**

# Related courses

**React Projects Workshops**

**Node js back end JavaScript**

**Python programming language**

**Social Network Theme UI With Sass**

**Full Stack React Django**

**Build a Node js App With Sequelize**



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