

# Python Resources

Quantum Computing Bootcamp: 18th - 19th February 2023

## Introduction Resources

<https://www.w3schools.com/python/default.asp>

This website has plenty of tutorials ranging from installing Python to installing packages.

<https://en.wikiversity.org/wiki/Python>

Lots of info under the 'courses' section

## Useful Information

<https://docs.python.org/3/library/functions.html>

Reference for all Python's Built-in functions

<https://www.geeksforgeeks.org/python-call-function-from-another-file/>

Calling functions from another file

## Textbooks

<https://learning.oreilly.com/library/view/python-object-oriented-programming/9781801077262/>

Python Object-Oriented Programming. Sign in with your UoBath email for free access.

<https://diveintopython3.problemsolving.io/>

Online Python introduction textbook

## YouTube Videos

<https://www.youtube.com/watch?v=rfscVS0vtbw>

4 hours long and pretty basic

<https://www.youtube.com/watch?v=HGOBQPFzWKo>

More intermediate however 6 hours long

<https://www.youtube.com/watch?v=RZF17FfRIIo>

Getting started with OOP programming with Python

# Quantum Computing Specific

Might not be super helpful for this weekend, but more resources if you found it interesting!

<https://livebook.manning.com/book/learn-quantum-computing-with-python-and-q-sharp/chapter-1/>

Online textbook on Quantum Computing

<https://towardsdatascience.com/what-is-quantum-entanglement-anyway-4ea97df4bb0e>

Introduction to Quantum Computing using Python