

# Python Coding Lectures

Lecture 1: Introduction to Python and Installation

# What to ask yourself?

- What is the python language?
- How does it relate to other languages?
- What are the benefits of learning python other than learning how to program?
- Will I become a python expert at the end of this program?

## ENTRY LEVEL JOBS

## SENIORITY

## SPECIALIZATIONS



**PYTHON  
BASIC  
SKILLED**



**MANUAL  
Q & A TESTER**



**PYTHON  
GENERALIST**

**ENTRY LEVEL  
JUNIOR  
JUNIOR ADVANCE  
DEVELOPER  
SENIOR  
PROJECT MANAGER**

Software Engineer

**01**

Web Developer/  
Front-end Developer

**02**

Python Developer

**03**

DevOps Engineer

**04**

Research Analyst

**05**

**06**

Data Analyst

**07**

Consultant

**08**

Product Manager

**09**

Data Scientist

**10**

Machine Learning  
Engineer

# Python Installations

- [Download Python 3.10](#) -> ENSURE TO CLICK ON ADD PYTHON TO PATH
- [Download Git for Github](#)

## Code Editors

- [Pycharm Download](#)
- [Visual Studio Code Download](#)

## Jupyter Notebook vs Code Editors

# Online Courses

After taking the course, sign up to an online course to help reinforce what you've learned and to go deeper into the language:

- <https://www.udemy.com/courses/search/?src=ukw&q=python>
- <https://www.datacamp.com/search?q=python>
- <https://www.codecademy.com/catalog/language/python>

Think of a project that will help you learn new resources. Can't think of one? Be inspired by others:

- <https://github.com/search?q=premier+league&type=repositories>

# Online Resources

- <https://www.google.ca/>
- <https://stackoverflow.com/>
- <https://www.w3schools.com/python/>
- <https://www.programiz.com/python-programming>