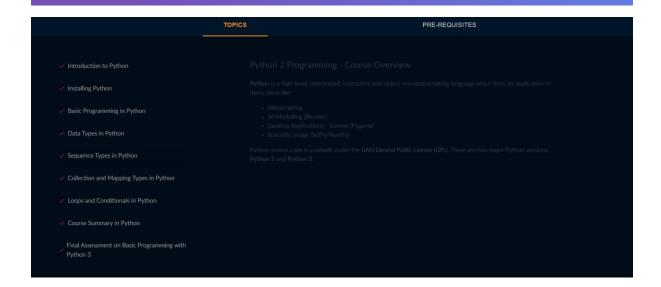
Python 3 Programming



Python is a general-purpose interpreted, interactive, object-oriented, and high-level programming language. This course is designed for software programmers who need to learn Python programming language from scratch.





Python 3 - Functions and OOPs

© 200 M

This course introduces you to the various building blocks of coding in Python using functions, iterators, list comprehensions etc. You will also be learning about the OOPs implementation in Python along with how to deal with exceptions in the code.

Completed Revisit Course

	TOPICS	PRE-REQUISITES
Python 3 - Functions and OOPs - Course Introduction	Python 3 - Functions	
Functions, Iterators, List Comprehensions and Generators		
Exercises using Functions		
✓ Classes and Objects - Python		
Inheritance in Python		
Polymorphism in Python		
Abstraction and Encapsulation		
Exercises using OOPs in Python		
Handling Exceptions		
Modules and Packages		
Python 3 - Functions and OOPs - Course Summary		

NumPy - Python Package for Data



Python libraries such as NumPy, SciPy, pandas, matplotlib, scikit-learn are extensively used in Data science field. This course covers the various platforms available to work on Python using these libraries. You will also learn how to handle structured data using NumPy.



	TOPICS	PRE-REQUISITES		
Python Libraries for Data Science				
✓ Anaconda - Popular Scientific Distribution				
✓ IPython Components				
✓ Introduction to Jupyter Notebooks				
✓ Introduction to NumPy				
✓ Creation of NumPy Arrays				
 Array Shape Manipulation 				
✓ Basic Operations on NumPy Arrays				
 Indexing, Slicing, Iterating NumPy Arrays 				
✓ NumPy Course Summary				
✓ Python for Data Science - Final Assessment				

Python Pandas

9 280 Min

Pandas is a Python library that provides utilities to deal with structured data stored in the form of rows and columns. In this course, you will be exploring the world of Pandas.

Completed

	TOPICS	PRE-REQUISITES	
✓ Introduction to Pandas			
✓ Accessing Data from Pandas Data Structures			
✓ Knowing Data More			
✓ Reading and Writing Data with Pandas			
✓ Indexing Data Frames			
✓ Data Cleaning			
✓ Data Aggregation			
✓ Data Merging			
✓ Pandas Summary			
✓ Pandas Final Assessment			