PYTHON Complete Roadmap

Python Tutorials

1. [Is Python Really Needed For a Data Analyst Job? (youtube.com)](#)
2. [Session 1 - Python Fundamentals | CampusX Data Science Mentorship Program | 7th Nov 2022 (youtube.com)](#)
3. [Session 2 - Operators + If-Else + Loops | CampusX Data Science Mentorship Program | 8th Nov 2022 (youtube.com)](#)
4. [Session 3 - Python Strings | CampusX Data Science Mentorship Program | 9th Nov 2022 (youtube.com)](#)
5. [Programming Problems on Strings | Session 3 Supplementary Session - YouTube](#)
6. [Session 4 - Lists in Python | Data Science Mentorship Program(DSMP) 2022-23 - YouTube](#)
7. [Session 5 - Tuples + Sets + Dictionary | Data Science Mentorship Program(DSMP) 2022-23 - YouTube](#)
8. [Session 6 - Functions in Python | Data Science Mentorship Program(DSMP) 2022-23 - YouTube](#)

Python Documentation

1. [The Python Tutorial — Python 3.12.5 documentation](#)
2. [Python Tutorial | Learn Python Programming - GeeksforGeeks](#)
3. [Python Tutorial (w3schools.com)](#)
4. [Python Tutorial (tutorialspoint.com)](#)
5. [Learn Python - Free Interactive Python Tutorial](#)

NumPy Tutorials

1. [Session 13 - Numpy Fundamentals | Data Science Mentorship Program (DSMP) 2022-23 | Free Session (youtube.com)](#)
2. [Session 14 - Advanced Numpy | Data Science Mentorship Program (DSMP) 2022-23 | Free Session (youtube.com)](#)
3. [Session 15 - Numpy Tricks | Data Science Mentorship Program (DSMP) 2022-23 | Free Session (youtube.com)](#)

NumPy Documentation

1. [What is NumPy? — NumPy v2.0 Manual](#)
2. [Introduction to NumPy (w3schools.com)](#)

3. [NumPy Tutorial (geeksforgeeks.org)](#)
4. [NumPy Tutorial (tutorialspoint.com)](#)
5. [Numpy Arrays - Learn Python - Free Interactive Python Tutorial](#)

Pandas Tutorials

1. [Session 16 - Pandas Series| Data Science Mentorship Program (DSMP) 2022-23 | Free Session - YouTube](#)
2. [Session 17 - Pandas DataFrame | Data Science Mentorship Program (DSMP) 2022-23 | Free Session (youtube.com)](#)
3. [Important Series Methods | Supplementary Session | DSMP 2022-23 (youtube.com)](#)
4. [Session 18 - Important DataFrame Methods | Data Science Mentorship Program (DSMP) 2022-23 (youtube.com)](#)
5. [Session 19 - GroupBy Object in Pandas | Data Science Mentorship Program (DSMP) 2022-23 (youtube.com)](#)
6. [Session 20 - Merging, Joining & Concatenating | DSMP 2022-23 - YouTube](#)
7. [Session 21 - MultiIndex Series and DataFrames | DSMP 2022-23 - YouTube](#)
8. [Session 22 - Vectorized String Operations | DateTime in Pandas | Pivot Table | DSMP 2022-23 (youtube.com)](#)

Pandas Documentation

1) [10 minutes to pandas — pandas 2.2.2 documentation (pydata.org)](#)
2) [Getting started — pandas 2.2.2 documentation (pydata.org)](#)
3) [Pandas Introduction - GeeksforGeeks](#)
4) [Pandas Tutorial (w3schools.com)](#)
5) [Pandas Basics - Learn Python - Free Interactive Python Tutorial](#)

Qamaruddin Khichi   ✉ qamaruddinkhichi123@gmail.com   📞 +92 318 815444 1