

Introduction to Bootcamp

Learning Elements:-

In the next 7 weeks, you will be attending our customised Python and SQL live sessions for beginners, completing the pre-recorded module content and practising coding questions that are uploaded on our platform on a weekly basis. The topics that will be covered during this Bootcamp are - basic Python programming, NumPy, Pandas, and the basics of SQL.

The seven weeks of Bootcamp are divided into two parts.

- Logic Programming Bootcamp (3 weeks) - Focuses on Python programming fundamentals.
- Database Programming Bootcamp (4 weeks) - Focuses on the database programming using NumPy, Pandas and SQL

In this span of seven weeks, you will learn through both pre-recorded module content on the platform and live lectures during the weekends. Please note that both the platform content and the live lectures are *equally* important to get the maximum benefit out of this Bootcamp.

Bootcamp Certification:-

To acknowledge the Bootcamp learners' efforts who are diligently practising coding, we will be releasing leaderboard ranks intermittently based on the module progress, live attendance and performance in the platform practice questions. In addition to that, if you meet the following criteria, you will be given a **Bootcamp Certificate**.

- Platform module completion > 70% for every week
- Live Session Attendance >50%
- Bootcamp Practice Questions Attempt Rate >75%
- Bootcamp Practice Questions Correct Rate >50%

Important Note: Please note that the attendance for a live session will be counted only if you attend the live session for at least 70% of its duration. For example, if the session is of 3hours long, you need to be present for at least 2hours for your attendance to be counted.

We will be tracking the module completion rates, live session attendance, and Bootcamp practice questions progress for each of the learners. In the end, the learners who meet **all the four criteria** given above will receive the **Bootcamp Certificate**.

Live -sessions Calendar:-

Phase	Week	Module (Topics)	Module Time	Live 1 (Saturday)	Duration	Live 2 (Sunday)	Duration	Assessments	Duration
Logic Programming Bootcamp	Week 1	Intro to Python - Basic Syntaxes and Data Structures	3	Python Crash Course - I - Developing Logic in Programming	2.5	Hands-on session on Basic Python Syntaxes	2.5	10 MCQs 10 Coding	3
	Week 2	Intro to Python - Basic Syntaxes and Data Structures	3	Python Crash Course - II - Data Structures (lists, dicts, sets, if statements, for loops)	2.5	Hands-on session on Data Structures	2.5	10 MCQs 10 Coding	3

	Week 3	Intro to Python - Programming Constructs & Functions Optional: Programming in Python - I	4	Python Crash Course - III: I/O, error handling and best practices, functional programming (filter, map, reduce, lambda)	2.5	Hands-on session on functional programming	2.5	10 MCQs 10 Coding	3
Data base Programming Boot camp	Week 4	Python for DS - Basic Pandas	6	NumPy and Pandas - Walkthrough of major syntaxes	2.5			10 MCQs 5 Coding	2

	Week 5	Python for DS - Advance Pandas	8	Manipulating Database through Pandas & Major Built-in Functions	2.5			10 MCQs 10 Coding	3
	Week 6	Basics of SQL - Database, DDL, DML, Basic Syntaxes	6	Instructor-led Live Session on SQL Syntaxes	2.5	Revision Session	2	5 MCQs 10 Coding	3
	Week 7	Basics of SQL - Joins, Merges, Functions, etc.	6	Major SQL Syntaxes and Doubt Resolution	2			10 Coding	2.5

