

The ABCs of Python

Week - 1 Module

Lec -1 = Embarking on Python: An Introduction to the Language

Practical -1 = Learn about compiler

Week - 2 Module

Lec -2 = Indentation Unveiled: Differentiating Python, C, and C++ with a Focus on Readability

Practical -2 = Differentiating syntax

Week - 3 Module

Lec -3 = Comparing Python and Human Anatomy: Understanding the Power of Indentation

Practical -3 = Practising Indentation

Week - 4 Module

Lec -4 = Python Outputs: The First Program and the Gateway to Mastery

Practical - 4 = Practising First Python Program

Week - 5 Module

Lec -5 = Python Variables, Datatypes, and Keywords: Building Blocks of Code

Practical -5 = Practising with different datatypes, making identifiers, creating variables

Week - 6 Module

Lec -6 = Input, Type Conversion, and Type Checks: Navigating Python Basics

Practical -6 = Practising type conversion, type check and taking inputs in Python.

Week - 7 Module

Lec -7 = Operators in Python: A Comprehensive Overview

Practical -7 = Practising different Operators of Python

Week - 8 Module

Lec -8 = Coding with Style: Area Calculation, Time Conversion, and F-String Mastery

Practical - 8 = Practising programs of finding area, time conversion.

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Week - 9 Module

Lec - 9 = String Manipulation: Concatenation, Repetition, and Inbuilt Functions

Practical - 9 = Practising Programs of string manipulation and f-string

Week - 10 Module

Lec - 10 = Exploring Inbuilt Functions in Python & Conditional Statements in Python: Introduction

Practical - 10 = Practising inbuilt functions.

Week - 11 Module

Lec - 11 = If Statement Introduction, Even Finder & Odd Finder Programs: Mastering If-Else Statements

Practical - 11 = Practising basic if statement programs

Week - 12 Module

Lec - 12 = Even Odd Finder, Nested If-Else Statements: Password Checks and Advanced Logic

Practical - 12 = Practising if-else programs and password check program.

Week - 13 Module

Lec - 13 = Diving into if-elif Statements; Leap Year Finder Program

Practical - 13 = Practising if-elif statement programs

Week - 14 Module

Lec - 14 = Looping with Python: For Loop introduction and basic Problems

Practical - 14 = Practising basic problems of loop.

Week - 15 Module

Lec - 15 = Understanding Range, Number Printing, Break Statements & Else Clause in Python

Practical - 15 = Practising number printing program, break and else statements implementation

Week - 16 Module

Lec - 16 = For Loop Mastery: Continue, Pass, and Nested Loops with Multiplication Tables

Practical - 16 = Practising programs of for loop and nested loop.

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Week - 17 Module

Lec - 17 = More Python Looping: Natural Number Sum, Factorial Finding, and Swapping Values

Practical - 17 = Practising Factorial finding program, swapping in Python and Natural number sum program.

Week - 18 Module

Lec - 18 = Unlocking the Power of While Loops & Infinite Loop : Introduction and Examples

Practical - 18 = Practising while loop & infinite loop programs

Week - 19 Module

Lec - 19 = Python Modules: Importing, Aliasing, and Introducing the Random Module

Practical - 19 = Practising Modules in Python

Week - 20 Module

Lec - 20 = Concluding the Random Module: A Dive into the Number Guessing Game.

Practical - 20 = Practising Random Module and Number guessing game.