

PYTHON CURRIULUM

Technical Requirements:

Memory : 2 GB

RAM : Min. 1.5GB

Port : 8000

Curriculum:

Day	Topic	Description	Time Required
1	Introduction to Programming	<ol style="list-style-type: none">1. What is Programming?2. Why we need programming?3. How does programming work?4. What is Syntax?	60 minutes
	Introduction to Python	<ol style="list-style-type: none">1. Why to learn Python?2. Characteristics of Python3. My first program!4. Versions of Python	90 minutes
	Basics of Python Programming	<ol style="list-style-type: none">1. Indentation2. Variables3. Comments4. Data Types5. Exercises for better understanding	120 minutes
	Play with Python Numbers	<ol style="list-style-type: none">1. Python Numbers2. Type Conversions3. Exercises for better understanding	30 minutes
2	Operators	<ol style="list-style-type: none">1. Types of Operators2. Exercises for better understanding	90 minutes
	Python Flow Control	<ol style="list-style-type: none">1. Loops2. Conditional Statements3. Exercises for better understanding	90 minutes
	Pseudo Code	<ol style="list-style-type: none">1. Writing algorithms2. Exercises for better understanding	60 minutes
	Introduction to Collections	<ol style="list-style-type: none">1. Lists – Create, Modify and Remove2. Exercises for better understanding	60 minutes
3	Introduction to Collections	<ol style="list-style-type: none">1. Tuple – Create, Modify and Remove2. Exercises for better understanding	30 minutes
	Introduction to Collections	<ol style="list-style-type: none">1. Dictionary – Create, Modify and Remove2. Exercises for better understanding	30 minutes
	Introduction to Collections	<ol style="list-style-type: none">1. Sets – Create, Modify and Remove2. Exercises for better understanding	60 minutes

	Strings	<ol style="list-style-type: none"> 1. Create and Modify 2. Exercises for better understanding 	60 minutes
	Functions	<ol style="list-style-type: none"> 1. Introduction to functions 2. Built – In functions 3. Exercises for better understanding 	60 minutes
	Programs	Practice Programs	60 minutes