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CORE PYTHON SYALLABUS

1. INTRODUCTION

1. Why python has high demand in market?

- Types of applications developed by python
- Python used Companies list
- Job opportunities
- Huge community
- Frameworks & Libraries
- Features

2. History and Installation

2. ENVIRONMENTS & WRITING FIRST PROGRAM

3. TOKENS

- Keywords
- Literals
- Identifiers
- Variables
- Constants
- Data types
- Operators
- Control Statements

4. INPUT AND OUTPUT

5. FUNCTIONS

6. BASIC & COLLECTION DATATYPES

- Integer
- Float

- Complex
- Boolean
- String
- List
- Tuple
- Set
- Dictionary
- Arrays & Numpy

ADVANCED PYTHON SYALLABUS

1. INTRODUCTION TO OOPS

- Classes and objects
- Encapsulation
- Abstraction
- Inheritance
- Polymorphism

2. MODULES AND PACKAGES

3. EXCEPTION HANDLING

4. THREADS

5. REGULAR EXPRESSIONS

6. FILES

7. DATABASE CONNECTIVITY

8. GRAPHICAL USER INTERFACE

9. NETWORKING

i. Topic wise interview questions

ii. Case studies for practicing