

Python & DSA Preparation Checklist for Google STEP

Python Topics

Basics

- Variables & Data Types
- Input/Output
- Operators & Expressions
- Conditional Statements (if, elif, else)
- Loops (for, while)

Data Structures in Python

- Strings
- Lists
- Tuples
- Sets
- Dictionaries

Functions

- Defining & calling functions
- Parameters & return values
- Lambda functions
- Recursion

Object-Oriented Programming

- Classes and Objects
- `__init__()` Constructor
- Instance vs Class variables
- Inheritance & Polymorphism

Advanced Python

- File Handling (read, write, with)
- Exception Handling (try, except)
- List Comprehension