

## HISTORY & INTRODUCTION

*All about Python Language, Understanding Python Environment Running your First Python understanding Input and output*

## OPERATORS & BASIC OPERATIONS

*Tokens , Data Types, Variables, Working with operators, Controls statements including if-else, loops,*

## DATA STORAGE

*Using string(s) , List(s), Tuple(s), set & Dictionary To store data and understand Associated Library Functions*

## FUNCTIONS

*Understanding their usage, working with Global Creating user-defined functions and extensively Variables and Recursion and Modules, Lambda, Reduce & Filter operations, Date time*

## FILE HANDLING

*Working Text, Reading writing Text File, Binary files, working with CSV Files creating Console Based python APP with CSV files as backedn*



## OBJECT ORIENTED 1

*Understanding concept of classes , objects, data members, member functions, self creating user defined classes , hiding data members*

## OBJECT ORIENTED 2

*Using inheritance, polymorphism and using classes objects in modules*

## MYSQL

*under standing Various DML Statements , Joins, concepts of Keys and learning to create efficient databases*

## CONNECTING PYTHON TO MYSQL

*Using Python to connect with MYSQL Database ., performing CRUD operations in console applications*

## GRAPHICAL USER INTERFACE

*Understanding concept of GUI using tkinter package working with various widgets and creating GUI based Python APP*



## VERSION CONTROL WITH GIT

*Understanding concept of Git & importance of version control , working with core git commands clone, commit, push, pull , branch and merge*



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