



PYTHON

CURRICULUM

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DAY :-1

- INTRODUCTION TO PYTHON
- WHY WE USE PYTHON & USES OF PYTHON
- HOW TO INSTALL PYTHON
- HOW TO SETUP ENVIRONMENT VARIABLE SETTINGS
- WHICH TEXT EDITOR MUST BE USE FOR WRITING CODE
- LETS WRITE OUR FIRST PYTHON CODE
- HOW TO RUN AND EXECUTE THE CODE
- GENERAL SYNTAX

DAY :-2

- **ADDING COMMENTS**
- **CONSTANTS IN PYTHON**
- **KEYWORDS**
- **PRINT STATEMENTS**
- **INPUT VALUES**
- **VARIABLE DECLARATION**
- **FORMAT METHOD**
- **TYPES OF NUMBERS**
- **TYPE FUNCTION**

DAY :-3

- ARITHMETIC OPERATOR
- ASSIGNMENT OPERATOR
- COMPARISON OPERATOR
- LOGICAL OPERATOR
- BITWISE OPERATOR
- DATA TYPES
- GLOBAL VARIABLE

DAY :-4

- DATA TYPES:-
- INTO
- FLOATO
- COMPLEXO
- STRINGO
- LISTO
- TUPLEO
- BOOLENO
- DICTO
- SETO
- BINARYO

DAY :-5

- TYPE CASTING
- TYPES OF STRING METHODS
- 1.SLICING STRINGS
- 2.MODIFY STRINGS
- 3.STRING CONCATENATION
- 4.FORMAT STRING

DAY :-6

- LISTO TYPES OF LIST METHODO:-
- LENO -FUNCTION
- LISTO CONSTRUCTION

- ACCESSING OF THE LIST METHOD:-
- 1. INDEX METHOD
- 2. NEAGATIVE INDEX METHOD
- 3. RANGE INDEX

DAY :-7

□ CHANGE IN LISTO FUNCTION BY METHODS

1. INDEX O METHOD

2. RANGE O METHOD

3. .INSERTO METHOD

□ ADD IN LIST METHODO

1. APPENDO

2. INSERTO

3. EXTENDO

□ REMOVE IN LIST METHODO

1. REMOVEO

2. POPO

3. DELO -REMOVING INDEX

DAY :-8

- CHANGE IN LIST DENOTED BY □ -- FUNCTION BY METHODS
 1. INDEX O METHOD
 2. RANGE O METHOD
 3. .INSERT O METHOD
- ADD IN LIST METHOD O
 1. APPEND O
 2. INSERT O
 3. EXTEND O
- REMOVE IN LIST METHOD O
 1. REMOVE O
 2. POPO
 3. DELO -REMOVING INDEX

DAY :-9

- TUPLES DENOTED BY 0
- ADDITION OF TUPLES BY METHOD
- INDEXO
- NEAGTIVE INDEX
- BY RANGE FUNCTION

DAY :-10

- TUPLES DENOTED BY O
- ADDITION OF TUPLES BY METHOD
- INDEXO
- NEAGTIVE INDEX
- BY RANGE FUNCTION

DAY :-11

- SETS ARE DENOTED BY $\{ \}$
- ACCESS OF SETS BY **IN** FUNCTION
- **ADD** FUNCTION
- **UPDATE** FUNCTION
- **REMOVE** FUNCTION
- **DISCARD** FUNCTION
- **POP** FUNCTION
- **CLEAR** FUNCTION

DAY :-12

- SETS ARE DENOTED BY $\{ \}$
- ACCESS OF SETS BY **IN** FUNCTION
- **ADD** FUNCTION
- **UPDATE** FUNCTION
- **REMOVE** FUNCTION
- **DISCARD** FUNCTION
- **POP** FUNCTION
- **CLEAR** FUNCTION

DAY :-13

- SETS ARE DENOTED BY $\{ \}$
- ACCESS OF SETS BY **IN** FUNCTION
- **ADD** FUNCTION
- **UPDATE** FUNCTION
- **REMOVE** FUNCTION
- **DISCARD** FUNCTION
- **POP** FUNCTION
- **CLEAR** FUNCTION

DAY :-14

- DICTIONARY ARE DENOTED BY { }
- ACCESS OF SETS BY GET(), KEY(), SO
FUNCTION
- ADD FUNCTION
- UPDATE FOR CHANGING THE DATA FUNCTION
- DEL FUNCTION
- POP FUNCTION
- CLEAR FUNCTION

DAY :-15

□ CONDITIONAL STATEMENTS LIKE:-

1. IF
2. ELSE
3. ELIF
4. WHILE
5. TRY
6. EXPECT

DAY :-16

□ CONDITIONAL STATEMENTS LIKE:-

1. IF
2. ELSE
3. ELIF
4. WHILE
5. TRY
6. EXPECT

□ LOOPS :-

1. WHILE
2. FOR

DAY :-17

- FUNCTIONS
- ARRAY IN PYTHON'S ACCESS OF ELEMENTS
- CLASS AND OBJECT
- IMPORT FUNCTION USES
- WHAT IS PIP INSTALL MODULE NAME ?
- WHAT IS MODULE WHY TO USE IT ?
- DATE TIME MODULE
- MATH MODULE

DAY :-18

- REGULAR EXPRESSIONS AS RE
- TRY , EXCEPT , FINALLY , ELSE, BLOCK
CHECKING WITHOUT ANY TRY BACK
ERRORS
- TRYING THIS BLOCKS WITH USER INPUT
VALUES.
- HOW DEFINE FUNCTION AND CALL THE
FUNCTION TO IMPORT IT AS NEXT FILE.
- THREADS, THREADINGS

DAY :-19

□ FILE HANDLINGS

□ METHOD OF FILE HANDLINGS

1. OPEN
2. CLOSE
3. WRITE
4. READ
5. APPEND
6. REMOVE O USING OS

DAY :-20

- GUI (GRAPHICALLY USER INTERFACE)
- WHAT IS GUI ?
- HOW TO CREATE GUI
- WHICH MODULE IS USED FOR GUI
- HOW TO CREATE A SCREEN FOR WRITING PROGRAM
- HOW TO MAKE ALL ABOVE THINGS
- 1. **BUTTONS**
- 2. **LABELS**
- 3. **RADIO BUTTONS**
- 4. **HOW TO DEFINE FUNCTIONS IN BUTTON**
- 5. **HOW TO MAKE APP WITH GUI MODULE**
- 6. **INPUT FILED FROM USER & OTHERS ALSO....**

DAY :-21

- CGI – (COMMON GATE WAY COMMUNICATION)
- HOW TO CREATE CGI PROGRAM
- WHICH SOFTWARE IS NEED FOR RUNNING CGI PROGRAMMING
- HOW TO CREATE CGI USING (HTTP) SERVES
- LETS TRY TO WRITE OUR FIRST CGI PROGRAM
- LETS TRY TO WRITE BUTTONS OR FORM PAGE

DAY :-22

- DATA BASE
- TYPES OF DATA BASES ARE EXPLAINED
- HOW TO INSTALL DATABASE
- HOW TO CREATE DATABASE BY WHICH MODULE
- BASES COMMANDS FOR CREATING DATABASE
- HOW TO CONNECT DATABASE WITH PYTHON
- HOW TO CREATE DATABASE AND TABLES
- METHODS OF CREATING DATABASES
- 1. CREATING DATABASE
- 2. CREATING TABLES
- 3. INSERT VALUES IN TABLES
- 4. HOW CHECK VALUES BY USING COMMAND IN DATABASE
- 5. HOW CREATE DELETION, UPDATE AND ALERT METHODS



THANK YOU

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