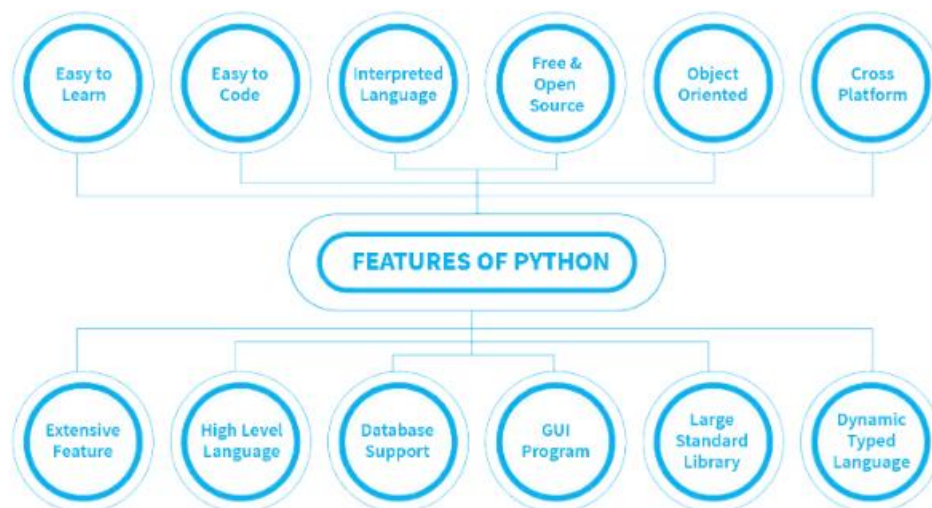# Alekhya Krishna Balivada Python Day 1 Assessment-1(12-12-2023)

PYTHON BASICS

Python: Python is a general purpose, interpreted, high-level programming language popularly used for website development, data analytics and automation.

- ➢ Python is an interpreted language because python code is executed line by line at a time.
- ➢ Like other languages(C,C++,java etc.) there is no need to compile python code this makes it easier to debug our code.
- ➢ Python is an interpreted, interactive, object-oriented beginners language.

Features of Python

Python program

- ➢ We write the python program with print statement as

    Print("Hello")

Output Instructions

- ➢ \\ **-** Backslash
- ➢ \t **-** Horizontal tab
- ➢ \n **–** New line

    Print(\\Hello\ttab\nnew)

    Output - \backslash   tab

    new

Python Datatypes

Python has following datatypes built-in by default. They are:

1. Text type : str
2. Numeric type : int, float
3. Sequence type : list, tuple
4. Mapping type : dict
5. Set type : set
6. Boolean type : bool

Getting the datatype

1. a=1   print(type(a)) ------ <int>
2. b=1.23234   print(type(b)) ------ <float>
3. c='fact'   print(type(c)) ------ <str>
4. d=[1,2,3,4]   print(type(d)) ----- <list>
5. e=(1,2,3,4)   print(type(e)) -----<tuple>
6. f={1,2,3,4}   print(type(f)) -----<set>
7. g={1:2,2:3}   print(type(g)) -----<dict>