**Day 3:**

**Data Engineering:** python is an interpreter scripting language. Python is very simple, easy to learn, power full, high level as well object oriented programming.

Python is loosely data types language.

Features of python

1. Easy to learn
2. Expression language
3. Interpreter concept : it check the code line by line
4. Cross platform language.
5. Object oriented programming language
6. Large standard library
7. Gui base application
8. Python machine learning

Version of the python

1. to 3.x

variable : variable is name which hold some value and value can change during the execution of a program.

Variable mainly divided into two types

1. primitive types of variable

int

float

Bool

1. non primitive or sequence or reference types

String

List

Tuple

Set

Dictionary

List

Lis tis a data structure which can store group of element of data of same types or different types

List can dynamic

List maintain the order.

List provide index concept to access the value.

List is known as mutable data structure.

[]

Set : set is an unorder and it hold unique information. Set doesn’t provide index.

{v1,v2,}

Tuple : tuple is an ordered and immutable collection. Tuple allow duplicate

()

Dictionary

Unorder collection of data in key-value pairs