Short note on data types in python

Data types:

Every value has a data type in python . set of values allowable to operation.

Python has four types standard data types:

1. Numbers=integer,float,complex
2. Boolean
3. Sequence=strings,list,tuple
4. Set
5. Dictionary

1.numbers:

Number data type store numerical value

It is immutable

Integers:

An integer type (int) represent signed whole number

An integer represent both positive and negative numbers

Ex=8,9,

Floating points:

A floating point key word is float

A floating point represent the decimal point with fractional point

Ex=3.0,2.3

Complex number:

It is immutable data type

It represent pair of data type

One represent the real part

Another represent the imaginary part of the complex number

Ex=a+bj , a-bj

2.boolean

Boolen data type has two key word one is True and another is False

3.sequence

Sequence is a order of collection of items

Three types

* Strings
* List
* Tuple

String:

It is immutable

Single quote= (‘ thiru’)

Double quotes=(“thiru”)

Triple quotes=(“”” thiru”””)

Two types of indexing positive and negative

List:

list is a collection which is ordered and changeable . Allows duplicate members

it is written in [] square bracket

two types of indexing positive and negative

Tuple:

tuple is a collection which is ordered and unchangeable. Allows duplicate members

set of elements enclosed by parentheses

4.set

set is a collection which is unordered, unchangeable, and unindexed.no duplicate members

5.dictionary

dictionay is a collection which is ordered and changeable. no duplicate members