**List**

1. What is List? How will you reverse a list?

Lists might contain items of different types, but usually the items all have the same type. And to reverse a list reverse() method is used.

1. How will you remove last object from a list?

To remove last object from list ,

Syntax : del list\_name[-1]

1. Differentiate between append() and extend() methods.?

Append : Append adds its argument as a single element to the end of a list. The length of the list increases by one.

Extend : Extend iterates over its argument and adding each element to the list and extending the list. The length of the list increases by number of elements in its argument.

1. How will you compare two lists?

To compare two list we use list.sort() method and == operator in python.

**Tuple**

1. What is tuple? Difference between list and tuple.

A tuple is a sequence of immutable Python objects. Tuples are sequences, just like lists.

The differences between tuples and lists are, the tuples cannot be changed unlike lists and tuples use parentheses, whereas lists use square brackets.

**Dictionary**

1. What is Dictionaries?

Dictionaries are sometimes found in other languages as “associative memories” or “associative arrays”.

1. How will you create a dictionary in python? How will you get all the keys from the dictionary? How will you get all the values from the dictionary?

Dictionary can be created as follows :

Syntax : my\_dict={ key:value , key:value , key:value }

Keys can get as follows :

Syntax : for I in my\_dict:

Print(i)

Get all the values :

Syntax : for I in my\_dict.values():

Print(i)

1. Why Do You Use The Zip() Method In Python?

Python zip method takes iterable or containers and returns a single iterator object, having mapped values from all the containers. It is used to map the similar index of multiple containers so that they can be used just using single entity.

**Function and Method**

1. How do you perform pattern matching in Python? Explain

In Python String matching is performed by The help of Regular Expression Module.

By importing module and using the function of re module we can easily perform string matching in python.

1. What is lambda function in python? What we call a function which is incomplete version of a function?

In Python Lambda function is a single line function declared with no name, which can have number of arguments.

Stub is the function which is incomplete version of a function.

1. How Many Basic Types Of Functions Are Available In Python?

There are mainly two basic types of functions in python :

1. Built in function
2. User Define Function
3. What is Map Function In python ?

Map function in python is a function that works as an iterator to return a result after applying a function to every item of an iterable.

1. Does Python Have A Main() Method?

No , python does not have a main method.

1. What Does The \*Args Do In Python?What Does The \*\*Kwargs Do In Python?

\*args passes variable number of non – keyworded arguments and on which operation of the tuple can be performed. \*\*kwargs passes variable number of keyword arguments dictionary to function on which operation of a dictionary can be performed.

1. What Does The Name Do In Python?What Is The Purpose Of “End” In Python?

The “End” keyword in python puts a space instead of printing output in new line.

\_\_name\_\_ provides functionality of main character.

1. What Does The Len() Function Do In Python? What Does The Ord() Function Do In Python?

len() function returns numbers of items in an object.

Ord() function returns a representing the number of unicode code of a specified character.