**Module – 3** (**Collections, functions and Modules)**

What is List? How will you reverse a list?

Ans:- list is a data structure in Python that is a mutable, or changeable, ordered sequence of elements. Each element or value that is inside of a list is called an item. Just as strings are defined as characters between quotes, lists are defined by having values between square brackets [ ]

Differentiate between append () and extend () methods?

Ans:- append() = only add one object

Extend () =add multiple object in list.

What is tuple? Difference between list and tuple.

Ans:- The main difference between Tuples and list is that items from lists

Can be modified I could add or delete items from a list.

I could modify the list in any sort of way I would want, however, at Tuples you cannot add or delete items. Tuples are immutable, people Use tuples for data that is never going to be changed.

One of the most important differences between a list and a tuple is that list is mutable, whereas a tuple is immutable.