Module – 3 (Collections, functions and Modules)

* What is List? How will you reverse a list?

Ans :- Lists are used to store multiple items in a single variable.

The reverse() method reverses the sorting order of the

Elements.

* Differentiate between append () and extend () methods?

Ans :- The append() method appends an element to the end of the list whereas the extend() method adds the specified list elements to the end of the current list.

* What is tuple? Difference between list and tuple.

Ans :- Tuples are used to store multiple items in a single variable.

List is a collection which is ordered, changeable and allows duplicate members whereas tuple is a collection which is ordered, unchangeable and allows duplicate members.

* Why Do You Use the Zip () Method in Python?

Ans :- Zip is an in-built function in python used to iterate over multiple iterables. It takes corresponding elements from all the iterable passed to it and merges them in a tuple.

* How Many Basic Types Of Functions Are Available In Python?

Ans :- There are three types of functions are available in python:-

1. Built-in functions (print(),len(),type(),sum(),etc……)
2. User defined functions
3. Anonymous functions (lambda function)