

Introduction:-

This play talks about List. List is one of the most frequently used and very versatile data structures used in Python.

In a list elements with the same value can occur multiple times.

Lists are a type of mutable sequences in Python as any element can be added to or removed from a list.

As with any sequence, the elements in the lists are identified with an index ranging from 0 to length-1 of the list.

Slicing operations are supported in lists and they produce new lists or sequences which are subsets of the original list.

A list is constructed by specifying the set of elements inside square brackets.

EXAMPLE OF LIST:-

```
my_list = [1, "Hello", 3.4]
```

Objective:-

In this play, we will be learning the following things:

1. What is List?
2. How to create List?
3. How to access the element of list?
4. How to change or add elements to a list?
5. How to delete or remove elements from a list?
6. In-built functions for list
7. Slicing of list
8. List comprehension

End Point:-

At the end of this step, you will have an understanding of what is a list and how to use the list.