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

* List is collection in python, which store the data into sequence.
* List Using the Reversed () and Reverse () Built-In Function.

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

**Suppose list1 is [2, 33, 222, 14, and 25], what is list1 [-1]?**

* Use the pop () method.
* The last element in the given list.

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

* The append () method add a single element to the end of the list.
* The extend () method Adds multiple elements to the end of a list.

1. **How will you compare two lists?**

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

* Tuple is one type of data type that’s lets us create immutable sequence.

|  |  |
| --- | --- |
| **list** | **tuple** |
| **1.**mutable  **2.**created using square bracket[]  **3.**not hashable | **1.**immutable  **2**.created using round bracket()  **3.**hashable |

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

* In Basic there are two types of factions.

1. Library functions

2. User Defined Functions

**54.** **How can you pick a random item from a list or tuple?**

* At start point user needs to write import random.
* After the list or tuple “ramdom.choice ()”method will randomly generate element from the list or tuple.

**55.** **How can you pick a random item from a range?**

* using random.randint method user can pick random item from a range.
* Syntax is x=random.randint(1,50+1)
* Above syntax will pick numbers randomly between 1 to 50.

**56.** **How can you get a random number in python?**

* using randint method:

Syntax:

Import random

n=random.randint(1,104)

print(n)

To include outer ranges :

Import random

n=random.ranrange(0,100)

print(n)

**57.** **How will you set the starting value in generating random numbers?**

* using random.seed() method user can generate random numbers.

Import random

for i in range(2):

random.seed(5)

print(random.randint(1,1000))

**58.** **How will you randomizes the items of a list in place?**

* using random. Shuffle user can randomize items of a list.

Import random

List=[10,20,30,40]

random. Shuffle(List)

print(List)