**Candidate - 1:**

1) Detailed discussion on the resume

2) Any project is done in Python

3) List = 12,16,5,2,3

Print the leader in the list

Leader is the highest from the right side of the list

Output :- 16,5,3

4) Write the optimized code for the above

5) Swapping of two numbers in Python

6) OOPS in Python

7) Sorting Techniques? Which is the best technique? Explain the logic.

8) Search a loop in the single linked list.

9) How can you print the binary representation of a given number?

**Candidate - 2:**

Round - 1:

1) Projects done in Python.

2) Quick sort

3) Binary Search

4) Find a pair(s) from array whose difference is 5?

a) Array1 = 3 5 7 8 10 Sorted

b) Array2 = 3 7 10 5 8 Unsorted

Give all possible ways?

5) a = 2 5 7 8

b = 3 4 9

Insert a into b in sorted order.

6) Classed in Python?

7) Constructors in Python?

Round - 2:

1) Tell everything about string in Python.

2) Tell everything about disctionaries in Python.

3) Difference b/w list and array?

4) How to declare array in Python?

5) Data types in array?

Round - 3:

1. A,B,C,D are cars may travel in both the directions.

DB

BB

AB

CB

What is the probability of no collision’s b/w the cars?

1. Python Project done in the past?
2. There are 4 persons standing at one end of the bridge in the night and they need to go to the other end with only 1 available torch and at a time only 2 persons can go over the bridge.

Person -1 can cross the bridge in 1 min

Person -2 can cross the bridge in 2 min

Person -3 can cross the bridge in 7 min

Person -4 can cross the bridge in 10 min

What is the least possible time in which all 4 can cross the bridge?

1. A log file contains different types of errors. Write a python script to count the no. of times each error is repeated in the file.

Delete one square from the image and divide remaining 3 squares into 4 equal parts.

Round – 4:

1. Integer to binary conversions? Possible methods?
2. Why bitwise operations are performed over division or modulus?