Basic Python test   Duration: 1 Hour   Date : 1 Feb 2021   Marks : 30

1	Arrange String characters such that lowercase letters should come first.	2 M
2	Given an input string, count occurrences of all characters within a string	2 M
3	Given a two list. Create a third list by picking an odd-index element from the first list and even index elements from second.	4 M
4	Given a list slice it into 3 equal chunks and reverse each list	2 M
5	Given a following two sets find the intersection and remove those elements from the first set	2 M
6	Remove duplicate from a list and create a tuple and find the minimum and maximum number	2 M
7	Armstrong number is a number that is equal to the sum of cubes of its digits. For example, 0, 1, 153, 370, 371 and 407 are the Armstrong numbers. Write a program to check if the input number is Armstrong number or not?	4 M
8	We have two events and some guests are expected to attend it. Find out which members attended only one event and not the other.	4 M
9	Create a module to generate Fibonacci series. Import the module and test the code.	4 M
10	What is the difference between 2 weeks, 5day, 1 hour and 33 seconds to 4 days, 11 hrs., 4 minutes and 54 seconds	2 M
11	Calculate the weekly wages per hours in dollars and if the overtime is above 40 then calculate overtime Using formula: - totalWages = hourlyWage*40 + (1.5*hourlyWage) *overtime and wages using formula: - totalWages = hourlyWage*totalHours	2 M