

## PYTHON QUESTIONS

1. WAP to add sum of n natural numbers.
2. WAP to find big number between numbers using lambda function.
3. To print given character in lower case or upper case using lambda function.
4. Print those numbers which are divisible by 4 or 6 from 1 to 100 using lambda function.
5. Print a random number between given range using lambda function.
6. Print 5 random numbers between 20 to 30 using lambda function.
7. Convert a text int array using map().
8. Print squares of 1 to 10 using map().
9. Convert a lower case string to upper case string using map().
10. Filter all palindrome words of a string.
11. Filter all numbers of a list which has natural numbers from 1 to 100.
12. WAP to filter the natural numbers those are divisible by 5 or 7 from 1 to 100.
13. Sort the elements based on 2<sup>nd</sup> key using sorted().
14. WAP to read entire information of a file.
15. WAP to read entire information of a file 3 times.
16. WAP to copy a file to another file.
17. WAP to merge 2 files.
18. WAP to test whether the file has unique elements or not.
19. WAP to find second largest number of a file.
20. WAP to find common letter of a two files.
21. WAP to count vowels of a file.
22. WAP to count number of digits in a file.
23. WAP to count number of words in a file.
24. WAP to find size of a file.
25. WAP to find the longest word of a file.
26. Find the longest line in file.
27. WAP to generate 26 text files named A.txt, B.txt, c.txt and so on.... Z.txt.
28. Program to reverse each word in the file.
29. WAP to handle value error.

30. WAP to handle zero division error.
31. WAP to handle index error.
32. WAP to handle name error.
33. WAP to handle multiple except blocks.
34. WAP to read  $m \times n$  elements into an array print it.
35. WAP to print  $m \times n$  elements into zigzag pattern.
36. WAP to print  $m \times n$  elements into spiral printing.
37. Ravi wrote an objective type of exam. The total number of questions is 20. He attempted all the questions. For each right answer he will get 3 marks. For each wrong answer he will lose 1 mark. Ravi got 40 marks in that exam. Ravi wanted to know how many correct answers and wrong answers. He requested your help.
38. Rita has money in her pouch. The pouch has equal number of 25 paise coins, 50 paise coins and one rupee coins. The total amount is RS.700. Write a program to find how many of each is there.
39. Sudha went to her grandmother's village. There is a palm. In the palm some goats and hens are present. Sudha counted their eyes the count is 60. Sudha counted their legs the count is 84. Sudha wants to find number of goats and hens in that palm.
40. Write a program to print all the two digit numbers, where the second digit is smaller than its first by 4, and if the number was divided by the digits sum, the quotient would be 7.
41. Bacteria are known to multiply very rapidly. If a certain container contains just one bacterium on the first day and there are twice as many on the next day. In this manner the number of bacteria in the container doubles everyday. Assuming that the container would be full on the 10<sup>th</sup> day. With 13,312 bacteria, find the number of bacteria that was initially in the container on the first day.
42. WAP to print peculiar 2 digit numbers whose 3 times of its digits sum is equal to numbers.
43. Two painters came to paint the windows of 101, first person starts painting from window 1. He started painting alternative windows i.e., 1,3,5.... Second person starts painting from window 101. Whereas the

other person started painting by leaving windows respectively i.e., 101,98,95. In this case find out the common point where these painters will meet.

- 44.WAP to print Pythagorean triplet for given range . The triplet is in the form of  $a^2+b^2=c^2$ .
- 45.SVREC wants to select SAC committee members by voting. For that they need an application to conduct the voting and select SAC committee members.
- 46.WAP to print given number is positive or negative without comparing with 0.
- 47.WAP to read 2 numbers print whether they are equal or not without using == operator.
- 48.WAP to print given number is odd or even without using % symbol.
- 49.WAP to read character print whether it is vowels or constants using short hand if else.
- 50.WAP to find sum of 2 numbers using loop.
- 51.WAP to find subtraction of 2 numbers using loop.
- 52.WAP to find product of 2 numbers using loop.
- 53.WAP to find product of 2 numbers using russian multiplication method.
- 54.WAP to find division of 2 numbers using loop.
- 55.Print all the elements of a list.
- 56.Print all the letters of a string diving by “,”.
- 57.Print index values of an array of size 10.
- 58.Print natural from 10 to 100.
- 59.Print odd numbers from 1 to 100.
- 60.Print even numbers from 1 to 100.
- 61.Print the numbers those are divisible by 5 from 1 to 100.
- 62.Print the those numbers which are divisible by 7 or 11 from 1 to 100.
- 63.Print squares of 10 to 1.
- 64.Remove the duplicate elements.
- 65.Define a function to print welcome message.
- 66.WAP to add 5 to a number using lambda function.

- 67.WAP to print a random number between given range using lambda function
- 68.WAP to print big numbers between 3 numbers using lambda function.
- 69.WAP to print n natural numbers using lambda function.
- 70.Filter all palindrome words of a string.
- 71.Print odd numbers of a list which has natural numbers from 1 to 100.
- 72.Convert a lower case string to upper case string using map().
- 73.Convert a text array to int array using map().
- 74.WAP to filter the natural numbers those are divisible by 5 or 7 from 1 to 100.
- 75.WAP to print 5 random numbers between 20 to 30 using lambda function.
- 76.WAP to print the numbers those are divisible by 4 or 6 from 1 to 100 using lambda function.
- 77.There are 3 receipt books; each receipt contains roll numbers and amount paid . find the total collection.
- 78.WAP to read a list of village names. Print all the village names those begin with 'v'.
- 79.WAP to read a number. Print all possible permutations with digits of number.
80. ALL HIERARCHICAL INHERITANCE PROGRAMMES.
- 81.ALL PATTERN PROGRAMMES.