INTERVIEW QUESTIONS

1. What are the key features of Python?
2. What are Keywords in Python?
3. What are Literals in Python and explain about different Literals?
4. How can you concatenate two tuples?
5. What are functions in Python?
6. How to Install Python?
7. Why Python?
8. What are comments and how can you add comments in Python?
9. What is the difference between list and tuples in Python?

1. What is dictionary in Python? Give an example.

2. In Python how do you convert a string into lowercase?

3. How do you get a list of all the keys in a dictionary?

4. How can you capitalize the first letter of a string?

5. How can you insert an element at a given index in Python?

6. How will you remove duplicate elements from a list?

7. What is recursion?

8. Explain Python List Comprehension

9. What is the bytes() function?

10. What are the different types of operators in Python?

11. What is the 'with statement'?

12. What is a map() function in Python?

13. What is __init__ in Python?

14. What are the tools present to perform statics analysis?

15. What is the difference between tuple and dictionary?

16. What is pass in Python?

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18. How can a number be converted to a string?

19. What are module and package in Python?

20. What is object() function in Python?

21. What does len() do?

22. Define encapsulation in Python?

23. What is the type () in Python?

24. What is split() function used for?

25. What are the built-in types does python provide?

26. What is docstring in Python?

27. How to Reverse a String in Python?

28. How to check Python Version in CMD?

29. Is Python case sensitive when dealing with identifiers?

30. How do you create an empty class in Python?

31. How do you delete a file in Python?

32. What is unittest in Python?

33. What are Python decorators?

34. What is an Interpreted language?

35. What is PEP 8 and why is it important?

36. What is Scope in Python?

37. What are NameSpaces in Python?

38. What are lists and tuples? What is the key difference between the two?

39. What are the common built-in data types in Python?

40. What is pass in Python?

41. What are modules and packages in Python?

42. What are global, protected and private attributes in Python?

43. What is self in Python?

44. What is __init__?

45. What is break, continue and pass in Python?

46. What are unit tests in Python?

47. What is docstring in Python?

48. What is slicing in Python?

49. Explain how can you make a Python Script executable on Unix?

50. What is the difference between Python Arrays and lists?

51. How is memory managed in Python?

52. What are Python namespaces? Why are they used?

53. What is Scope Resolution in Python?

54. What are decorators in Python?

55. What are Dict and List comprehensions?

56. What is lambda in Python? Why is it used?

57. How do you copy an object in Python?

58. What is the difference between xrange and range in Python?

59. What are generators in Python?

60. What is PYTHONPATH in Python?

61. What is the use of help() and dir() functions?

62. What is the difference between .py and .pyc files?

63. How Python is interpreted?

64. How are arguments passed by value or by reference in python?

65. What are iterators in Python?

66. Explain split() and join() functions in Python?

67. What does *args and **kwargs mean?

68. What are negative indexes and why are they used?

69. How do you create a class in Python?

70. How does inheritance work in python? Explain it with an example.

71. How do you access parent members in the child class?

72. Are access specifiers used in python?

73. Is it possible to call parent class without its instance creation?

74. How is an empty class created in python?

75. Differentiate between new and override modifiers.

76. Why is finalize used?

77. What is init method in python?

78. How will you check if a class is a child of another class?

79. Differentiate between a package and a module in python.

80. What are some of the most commonly used built-in modules in Python?

81. How can you generate random numbers?

82. Can you easily check if all characters in the given string is alphanumeric?

83. What are the differences between pickling and unpickling?

84. Define PIP.

85. Are there any tools for identifying bugs and performing static analysis in python?

86. Differentiate between deep and shallow copies.

87. What is main function in python? How do you invoke it?

88. How will you access the dataset of a publicly shared spreadsheet in CSV format stored in Google Drive?

89. Write a Program to combine two different dictionaries. While combining, if you find the same keys, you can add the values of these same keys. Output the new dictionary

90. Write a Program to convert date from yyyy-mm-dd format to dd-mm-yyyy format.

91. Write a Program to match a string that has the letter 'a' followed by 4 to 8 'b's.

92. Write a Program to solve the given equation assuming that a,b,c,m,n,o are constants:

93. Write a Program to add two integers >0 without using the plus operator.

94. Write a program to check and return the pairs of a given array A whose sum value is equal to a target value N.

95. Write a program for counting the number of every character of a given text file.

96. WAP (Write a program) which takes a sequence of numbers and check if all numbers are unique.

97. Write a python function which takes a variable number of arguments.