Python Interview coding questions

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Questions on Numbers:-

1. Write a program to reverse an integer in Python.
2. Write a program in Python to check whether an integer is Armstrong number or not.
3. Write a program in Python to check given number is Prime or not.
4. Write a program in Python to print the Fibonacci series using iterative method.
5. Write a program in Python to print the Fibonacci series using recursive method.
6. Write a program in Python to check whether a number is palindrome or not using iterative method.
7. Write a program in Python to check whether a number is palindrome or not using recursive method.
8. Write a program in Python to find greatest among three integers.
9. Write a program in Python to check if a number is binary?
10. Write a program in Python to find sum of digits of a number using recursion?
11. Write a program in Python to swap two numbers without using third variable?
12. Write a program in Python to swap two numbers using third variable?
13. Write a program in Python to find prime factors of a given integer.
14. Write a program in Python to add two integer without using arithmetic operator?
15. Write a program in Python to find given number is perfect or not?
16. Python Program to find the Average of numbers with explanations.
17. Python Program to calculate factorial using iterative method.
18. Python Program to calculate factorial using recursion.
19. Python Program to check a given number is even or odd.
20. Python program to print first n Prime Number with explanation.
21. Python Program to print Prime Number in a given range
22. Python Program to find Smallest number among three.
23. Python program to calculate the power using the POW method.
24. Python Program to calculate the power without using POW function.(using for loop)
25. Python Program to calculate the power without using POW function. (Using while loop).
26. Python Program to calculate the square of a given number.
27. Python Program to calculate the cube of a given number
28. Python Program to calculate the square root of a given number.
29. Python program to calculate LCM of given two numbers.
30. Python Program to find GCD or HCF of two numbers.
31. Python Program to find GCD of two numbers using recursion.
32. Python Program to Convert Decimal Number into Binary.
33. Python Program to convert Decimal number to Octal number.
34. Python Program to check the given year is a leap year or not.
35. Python Program to convert Celsius to Fahrenheit.
36. Python Program to convert Fahrenheit to Celsius.
37. Python program to calculate Simple Interest with explanation.

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Questions on String:-

1. Python program to remove given character from String.
2. Python Program to count occurrence of a given characters in string.
3. Python Program to check if two Strings are Anagram.
4. Python program to check a String is palindrome or not.
5. Python program to check given character is vowel or consonant.
6. Python program to check given character is digit or not.
7. Python program to check given character is digit or not using isdigit() method.
8. Python program to replace the string space with a given character.
9. Python program to replace the string space with a given character using replace() method.
10. Python program to convert lowercase char to uppercase of string.
11. Python program to convert lowercase vowel to uppercase in string.
12. Python program to delete vowels in a given string.
13. Python program to count Occurrence of Vowels & Consonants in a String.
14. Python program to print the highest frequency character in a String.
15. Python program to Replace First Occurrence of Vowel With '-'in String.
16. Python program to count alphabets, digits and special characters.
17. Python program to separate characters in a given string.
18. Python program to remove blank space from string.
19. Python program to concatenate two strings using join() method.
20. Python program to concatenate two strings using join() method.
21. Python program to remove repeated character from string.
22. Python program to calculate sum of integers in string.
23. Python program to print all non repeating character in string.
24. Python program to copy one string to another string.
25. Python Program to sort characters of string in ascending order.
26. Python Program to sort character of string in descending order.

Questions on Array:-

1. Write a program in Python for, in array 1-100 numbers are stored, one number is missing how you find it.
2. Write a program in Python for, in an array 1-100 multiple numbers are duplicates, how do you find it.
3. Write a program in Python for, How to find all pairs in array of integers whose sum is equal to given number.
4. Write a program in Python for, How to compare two arrays is equal in size or not.
5. Write a program in Python to find largest and smallest number in array.
6. Write a program in Python to find second highest number in an integer array.
7. Write a program in Python to find top two maximum numbers in array?
8. Write a program in Python to remove duplicate elements form array.
9. Python program to find top two maximum numbers in array.
10. Python program to print array in reverse Order.

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11. Python program to reverse an Array in two ways.
12. Python Program to calculate length of an array.
13. Python program to insert an element at end of an Array.
14. Python program to insert element at a given location in Array.
15. Python Program to delete element at end of Array.
16. Python Program to delete given element from Array.
17. Python Program to delete element from array at given index.
18. Python Program to find sum of array elements.
19. Python Program to print all even numbers in array.
20. Python Program to print all odd numbers in array.
21. Python program to perform left rotation of array elements by two positions.
22. Python program to perform right rotation in array by 2 positions.
23. Python Program to merge two arrays.
24. Python Program to find highest frequency element in array.
25. Python Program to add two number using recursion.
26. Python Program to find sum of digit of number using recursion.