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| Basics of Python | | |
| 1. What is the difference between list and tuples in Python? | | |
| 1. What are the key features of Python? | | |
| 1. What are Python namespaces? | | |
| 1. What are Dict and List comprehensions? | | |
| 1. What are the common built-in data types in Python? | | |
| 1. What are local variables and global variables in Python? | | |
| 1. What is a lambda function? | | |
| 1. How does break, continue and pass work? | | |
| 1. What does [::-1} do? | | |
| 1. How can you randomize the items of a list in place in Python? | | |
| 1. What are the generators in python? | | |
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| 1. How to remove values to a python array? | | |
| 1. Write a program in Python to execute the Bubble sort algorithm. | | |
| 1. Write a program in Python to produce Star triangle. | | |
| 1. Write a program to produce Fibonacci series in Python. | | |
| 1. Write a program in Python to check if a number is prime. | | |
| 1. Write a one-liner that will count the number of capital letters in a file. Your code should work even if the file is too big to fit in memory. | | |
| 1. Write a sorting algorithm for a numerical dataset in Python. | | |
| 1. Assume you can borrow the balance at the rate for the term. Define a function that returns the constant annual payment. The constant payment function for an   annuity is: | | |
| P = Payment PV = Present Value r = rate per period n = number of periods | | |
| P = r(PV) / (1 - (1 + r)^-n) | | |
| 1. Write a program to find a minimum number from an array? | | |
| 1. Given an array a=[1,2,3,4,5], write a program to get values of array 'a' as key elements and index of elements in array as values in the dictionary. | | |
| 1. How to get odd and even numbers from a given list | | |
| 1. how to get multiple of any numbers from list | | |
| 1. Write a program to swap the values of a, b. | | |
| 1. Write a program to swap two variables without using the third variable. | | |
| 1. user gives the input suppose we give the input 1 and it wants to print the letter 'ONE' | | |
| 1. Write a program to print Armstrong Numbers. | | |
| 1. Write a program to find a non-overlapping substring of a string | | |
| 1. (Write a program) which takes a sequence of numbers and check if all numbers are unique. | | |
| 1. Write a program for counting the number of every character of a given text file. | | |
| 1. Write a Program to add two integers >0 without using the plus operator. | | |
| 1. Write a Python program to check whether an accepted number is prime number. | | |
| 1. Write a program to print Fibonacci series. | | |
| 1. Write a program to check whether the entered number is palindrome. | | |
| 1. Write a Python program to check if two strings are anagram. | | |