1. [Python program to add two numbers](https://www.geeksforgeeks.org/python-program-to-add-two-numbers/)
2. [Maximum of two numbers in Python](https://www.geeksforgeeks.org/maximum-of-two-numbers-in-python/)
3. [Python Program for factorial of a number](https://www.geeksforgeeks.org/python-program-for-factorial-of-a-number/)
4. [Python Program for simple interest](https://www.geeksforgeeks.org/python-program-for-simple-interest/)
5. [Python Program for compound interest](https://www.geeksforgeeks.org/python-program-for-compound-interest/)
6. [Python Program to check Armstrong Number](https://www.geeksforgeeks.org/python-program-to-check-armstrong-number/)
7. [Python Program for Program to find area of a circle](https://www.geeksforgeeks.org/python-program-for-program-to-find-area-of-a-circle/)
8. [Python program to print all Prime numbers in an Interval](https://www.geeksforgeeks.org/python-program-to-print-all-prime-numbers-in-an-interval/)
9. [Python program to check whether a number is Prime or not](https://www.geeksforgeeks.org/python-program-to-check-whether-a-number-is-prime-or-not/)
10. [Python Program for n-th Fibonacci number](https://www.geeksforgeeks.org/python-program-for-n-th-fibonacci-number/)
11. [Python Program for How to check if a given number is Fibonacci number?](https://www.geeksforgeeks.org/python-program-for-how-to-check-if-a-given-number-is-fibonacci-number/)
12. [Python Program for n\’th multiple of a number in Fibonacci Series](https://www.geeksforgeeks.org/python-program-for-nth-multiple-of-a-number-in-fibonacci-series/)
13. [Program to print ASCII Value of a character](https://www.geeksforgeeks.org/program-print-ascii-value-character/)
14. [Python Program for Sum of squares of first n natural numbers](https://www.geeksforgeeks.org/python-program-for-sum-of-squares-of-first-n-natural-numbers/)
15. [Python Program for cube sum of first n natural numbers](https://www.geeksforgeeks.org/python-program-for-program-for-cube-sum-of-first-n-natural-numbers/)

**List Programs:**

1. [Python program to interchange first and last elements in a list](https://www.geeksforgeeks.org/python-program-to-interchange-first-and-last-elements-in-a-list/)
2. [Python program to swap two elements in a list](https://www.geeksforgeeks.org/python-program-to-swap-two-elements-in-a-list/)
3. [Python | Ways to find length of list](https://www.geeksforgeeks.org/python-ways-to-find-length-of-list/)
4. [Python | Ways to check if element exists in list](https://www.geeksforgeeks.org/python-ways-to-check-if-element-exists-in-list/)
5. [Different ways to clear a list in Python](https://www.geeksforgeeks.org/different-ways-to-clear-a-list-in-python/)
6. [Python | Reversing a List](https://www.geeksforgeeks.org/python-reversing-list/)
7. [Python program to find sum of elements in list](https://www.geeksforgeeks.org/python-program-to-find-sum-of-elements-in-list/)
8. [Python | Multiply all numbers in the list](https://www.geeksforgeeks.org/python-multiply-numbers-list-3-different-ways/)
9. [Python program to find smallest number in a list](https://www.geeksforgeeks.org/python-program-to-find-smallest-number-in-a-list/)
10. [Python program to find largest number in a list](https://www.geeksforgeeks.org/python-program-to-find-largest-number-in-a-list/)
11. [Python program to find second largest number in a list](https://www.geeksforgeeks.org/python-program-to-find-second-largest-number-in-a-list/)
12. [Python program to find N largest elements from a list](https://www.geeksforgeeks.org/python-program-to-find-n-largest-elements-from-a-list/)
13. [Python program to print even numbers in a list](https://www.geeksforgeeks.org/python-program-to-print-even-numbers-in-a-list/)
14. [Python program to print odd numbers in a List](https://www.geeksforgeeks.org/python-program-to-print-odd-numbers-in-a-list/)
15. [Python program to print all even numbers in a range](https://www.geeksforgeeks.org/python-program-to-print-all-even-numbers-in-a-range/)
16. [Python program to print all odd numbers in a range](https://www.geeksforgeeks.org/python-program-to-print-all-odd-numbers-in-a-range/)
17. [Python program to print positive numbers in a list](https://www.geeksforgeeks.org/python-program-to-print-positive-numbers-in-a-list/)
18. [Python program to print negative numbers in a list](https://www.geeksforgeeks.org/python-program-to-print-negative-numbers-in-a-list/)
19. [Python program to print all positive numbers in a range](https://www.geeksforgeeks.org/python-program-to-print-all-positive-numbers-in-a-range/)
20. [Python program to print all negative numbers in a range](https://www.geeksforgeeks.org/python-program-to-print-all-negative-numbers-in-a-range/)
21. [Remove multiple elements from a list in Python](https://www.geeksforgeeks.org/remove-multiple-elements-from-a-list-in-python/)
22. [Python – Remove empty List from List](https://www.geeksforgeeks.org/python-remove-empty-list-from-list/?ref=leftbar-rightbar)
23. [Python | Cloning or Copying a list](https://www.geeksforgeeks.org/python-cloning-copying-list/)
24. [Python | Count occurrences of an element in a list](https://www.geeksforgeeks.org/python-count-occurrences-element-list/)
25. [Python | Remove empty tuples from a list](https://www.geeksforgeeks.org/python-remove-empty-tuples-list/)
26. [Python | Program to print duplicates from a list of integers](https://www.geeksforgeeks.org/python-program-print-duplicates-list-integers/)
27. [Python program to find Cumulative sum of a list](https://www.geeksforgeeks.org/python-program-to-find-cumulative-sum-of-a-list/)
28. [Python | Sum of number digits in List](https://www.geeksforgeeks.org/python-sum-of-number-digits-in-list/)
29. [Break a list into chunks of size N in Python](https://www.geeksforgeeks.org/break-list-chunks-size-n-python/)
30. [Python | Sort the values of first list using second lis](https://www.geeksforgeeks.org/python-sort-values-first-list-using-second-list/)

**String Programs:**

1. [Python program to check if a string is palindrome or not](https://www.geeksforgeeks.org/python-program-check-string-palindrome-not/)
2. [Python program to check whether the string is Symmetrical or Palindrome](https://www.geeksforgeeks.org/python-program-to-check-whether-the-string-is-symmetrical-or-palindrome/)
3. [Reverse words in a given String in Python](https://www.geeksforgeeks.org/reverse-words-given-string-python/)
4. [Ways to remove i’th character from string in Python](https://www.geeksforgeeks.org/ways-to-remove-ith-character-from-string-in-python/)
5. [Python | Check if a Substring is Present in a Given String](https://www.geeksforgeeks.org/python-check-substring-present-given-string/)
6. [Python – Words Frequency in String Shorthands](https://www.geeksforgeeks.org/python-words-frequency-in-string-shorthands/)
7. [Python – Convert Snake case to Pascal case](https://www.geeksforgeeks.org/python-convert-snake-case-to-pascal-case/)
8. [Find length of a string in python (4 ways)](https://www.geeksforgeeks.org/find-length-of-a-string-in-python-4-ways/)
9. [Python program to print even length words in a string](https://www.geeksforgeeks.org/python-program-to-print-even-length-words-in-a-string/)
10. [Python program to accept the strings which contains all vowels](https://www.geeksforgeeks.org/python-program-to-accept-the-strings-which-contains-all-vowels/)
11. [Python | Count the Number of matching characters in a pair of string](https://www.geeksforgeeks.org/python-count-the-number-of-matching-characters-in-a-pair-of-string/)
12. [Remove all duplicates from a given string in Python](https://www.geeksforgeeks.org/remove-duplicates-given-string-python/)
13. [Python – Least Frequent Character in String](https://www.geeksforgeeks.org/python-least-frequent-character-in-string/)
14. [Python | Maximum frequency character in String](https://www.geeksforgeeks.org/python-maximum-frequency-character-in-string/)
15. [Python | Program to check if a string contains any special character](https://www.geeksforgeeks.org/python-program-check-string-contains-special-character/)
16. [Generating random strings until a given string is generated](https://www.geeksforgeeks.org/python-program-match-string-random-strings-length/)
17. [Find words which are greater than given length k](https://www.geeksforgeeks.org/find-words-greater-given-length-k/)
18. [Python program for removing i-th character from a string](https://www.geeksforgeeks.org/python-program-for-removing-i-th-character-from-a-string/)
19. [Python program to split and join a string](https://www.geeksforgeeks.org/python-program-split-join-string/)
20. [Python | Check if a given string is binary string or not](https://www.geeksforgeeks.org/python-check-if-a-given-string-is-binary-string-or-not/)
21. [Python program to find uncommon words from two Strings](https://www.geeksforgeeks.org/python-program-to-find-uncommon-words-from-two-strings/)
22. [Python – Replace duplicate Occurrence in String](https://www.geeksforgeeks.org/python-replace-duplicate-occurrence-in-string/)
23. [Python – Replace multiple words with K](https://www.geeksforgeeks.org/python-replace-multiple-words-with-k/)
24. [Python | Permutation of a given string using inbuilt function](https://www.geeksforgeeks.org/python-permutation-given-string-using-inbuilt-function/)
25. [Python | Check for URL in a String](https://www.geeksforgeeks.org/python-check-url-string/)
26. [Execute a String of Code in Python](https://www.geeksforgeeks.org/execute-string-code-python/)
27. [String slicing in Python to rotate a string](https://www.geeksforgeeks.org/string-slicing-python-rotate-string/)
28. [String slicing in Python to check if a string can become empty by recursive deletion](https://www.geeksforgeeks.org/string-slicing-python-check-string-can-become-empty-recursive-deletion/)
29. [Python Counter| Find all duplicate characters in string](https://www.geeksforgeeks.org/python-counter-find-duplicate-characters-string/)
30. [Python – Replace all occurrences of a substring in a string](https://www.geeksforgeeks.org/python-replace-all-occurrences-of-a-substring-in-a-string/)

**Dictionary Programs:**

1. [Python – Extract Unique values dictionary values](https://www.geeksforgeeks.org/python-extract-unique-values-dictionary-values/)
2. [Python program to find the sum of all items in a dictionary](https://www.geeksforgeeks.org/python-program-to-find-the-sum-of-all-items-in-a-dictionary/)
3. [Python | Ways to remove a key from dictionary](https://www.geeksforgeeks.org/python-ways-to-remove-a-key-from-dictionary/)
4. [Ways to sort list of dictionaries by values in Python – Using itemgetter](https://www.geeksforgeeks.org/ways-sort-list-dictionaries-values-python-using-itemgetter/)
5. [Ways to sort list of dictionaries by values in Python – Using lambda function](https://www.geeksforgeeks.org/ways-sort-list-dictionaries-values-python-using-lambda-function/)
6. [Python | Merging two Dictionaries](https://www.geeksforgeeks.org/python-merging-two-dictionaries/)
7. [Python – Convert key-values list to flat dictionary](https://www.geeksforgeeks.org/python-convert-key-values-list-to-flat-dictionary/)
8. [Python – Insertion at the beginning in OrderedDict](https://www.geeksforgeeks.org/python-insertion-at-the-beginning-in-ordereddict/)
9. [Python | Check order of character in string using OrderedDict( )](https://www.geeksforgeeks.org/using-ordereddict-python-check-order-characters-string/)
10. [Dictionary and counter in Python to find winner of election](https://www.geeksforgeeks.org/dictionary-counter-python-find-winner-election/)
11. [Python – Append Dictionary Keys and Values ( In order ) in dictionary](https://www.geeksforgeeks.org/python-append-dictionary-keys-and-values-in-order-in-dictionary/)
12. [Python | Sort Python Dictionaries by Key or Value](https://www.geeksforgeeks.org/python-sort-python-dictionaries-by-key-or-value/)
13. [Python – Sort Dictionary key and values List](https://www.geeksforgeeks.org/python-sort-dictionary-key-and-values-list/)
14. [Handling missing keys in Python dictionaries](https://www.geeksforgeeks.org/handling-missing-keys-python-dictionaries/)
15. [Python dictionary with keys having multiple inputs](https://www.geeksforgeeks.org/python-dictionary-with-keys-having-multiple-inputs/)
16. [Print anagrams together in Python using List and Dictionary](https://www.geeksforgeeks.org/print-anagrams-together-python-using-list-dictionary/)
17. [K’th Non-repeating Character in Python using List Comprehension and OrderedDict](https://www.geeksforgeeks.org/kth-non-repeating-character-python-using-list-comprehension-ordereddict/)
18. [Check if binary representations of two numbers are anagram](https://www.geeksforgeeks.org/python-dictionary-check-binary-representations-two-numbers-anagram/)
19. [Python Counter to find the size of largest subset of anagram words](https://www.geeksforgeeks.org/python-counter-find-size-largest-subset-anagram-words/)
20. [Python | Remove all duplicates words from a given sentence](https://www.geeksforgeeks.org/python-remove-duplicates-words-given-sentence/)
21. [Python Dictionary to find mirror characters in a string](https://www.geeksforgeeks.org/python-dictionary-find-mirror-characters-string/)
22. [Counting the frequencies in a list using dictionary in Python](https://www.geeksforgeeks.org/counting-the-frequencies-in-a-list-using-dictionary-in-python/)
23. [Python | Convert a list of Tuples into Dictionary](https://www.geeksforgeeks.org/python-convert-list-tuples-dictionary/)
24. [Python counter and dictionary intersection example (Make a string using deletion and rearrangement)](https://www.geeksforgeeks.org/python-counter-dictionary-intersection-example-make-string-using-deletion-rearrangement/)
25. [Python dictionary, set and counter to check if frequencies can become same](https://www.geeksforgeeks.org/python-dictionary-set-counter-check-frequencies-can-become/)
26. [Scraping And Finding Ordered Words In A Dictionary using Python](https://www.geeksforgeeks.org/scraping-and-finding-ordered-words-in-a-dictionary-using-python/)
27. [Possible Words using given characters in Python](https://www.geeksforgeeks.org/possible-words-using-given-characters-python/)
28. [Python – Keys associated with Values in Dictionary](https://www.geeksforgeeks.org/python-keys-associated-with-values-in-dictionary/)

**Tuple Programs:**

1. [Python program to Find the size of a Tuple](https://www.geeksforgeeks.org/find-the-size-of-a-tuple-in-python/)
2. [Python – Maximum and Minimum K elements in Tuple](https://www.geeksforgeeks.org/python-maximum-and-minimum-k-elements-in-tuple/)
3. [Create a list of tuples from given list having number and its cube in each tuple](https://www.geeksforgeeks.org/python-program-to-create-a-list-of-tuples-from-given-list-having-number-and-its-cube-in-each-tuple/)
4. [Python – Adding Tuple to List and vice – versa](https://www.geeksforgeeks.org/python-adding-tuple-to-list-and-vice-versa/)
5. [Python – Closest Pair to Kth index element in Tuple](https://www.geeksforgeeks.org/python-closest-pair-to-kth-index-element-in-tuple/)
6. [Python – Join Tuples if similar initial element](https://www.geeksforgeeks.org/python-join-tuples-if-similar-initial-element/)
7. [Python – Extract digits from Tuple list](https://www.geeksforgeeks.org/python-extract-digits-from-tuple-list/)
8. [Python – All pair combinations of 2 tuples](https://www.geeksforgeeks.org/python-all-pair-combinations-of-2-tuples/)
9. [Python – Remove Tuples of Length K](https://www.geeksforgeeks.org/python-remove-tuples-of-length-k/)
10. [Sort a list of tuples by second Item](https://www.geeksforgeeks.org/python-program-to-sort-a-list-of-tuples-by-second-item/)
11. [Python program to Order Tuples using external List](https://www.geeksforgeeks.org/python-order-tuples-by-list/)
12. [Python – Flatten tuple of List to tuple](https://www.geeksforgeeks.org/python-flatten-tuple-of-list-to-tuple/)
13. [Python – Convert Nested Tuple to Custom Key Dictionary](https://www.geeksforgeeks.org/python-convert-nested-tuple-to-custom-key-dictionary/)

**Searching and Sorting Programs:**

1. [Python Program for Binary Search (Recursive and Iterative)](https://www.geeksforgeeks.org/python-program-for-binary-search/)
2. [Python Program for Linear Search](https://www.geeksforgeeks.org/python-program-for-linear-search/)
3. [Python Program for Insertion Sort](https://www.geeksforgeeks.org/python-program-for-insertion-sort/)
4. [Python Program for Recursive Insertion Sort](https://www.geeksforgeeks.org/python-program-for-recursive-insertion-sort/)
5. [Python Program for QuickSort](https://www.geeksforgeeks.org/python-program-for-quicksort/)
6. [Python Program for Iterative Quick Sort](https://www.geeksforgeeks.org/python-program-for-iterative-quick-sort/)
7. [Python Program for Selection Sort](https://www.geeksforgeeks.org/python-program-for-selection-sort/)
8. [Python Program for Bubble Sort](https://www.geeksforgeeks.org/python-program-for-bubble-sort/)
9. [Python Program for Merge Sort](https://www.geeksforgeeks.org/python-program-for-merge-sort/)
10. [Python Program for Iterative Merge Sort](https://www.geeksforgeeks.org/python-program-for-iterative-merge-sort/)
11. [Python Program for Heap Sort](https://www.geeksforgeeks.org/python-program-for-heap-sort/)
12. [Python Program for Counting Sort](https://www.geeksforgeeks.org/python-program-for-counting-sort/)
13. [Python Program for ShellSort](https://www.geeksforgeeks.org/python-program-for-shellsort/)
14. [Python Program for Topological Sorting](https://www.geeksforgeeks.org/python-program-for-topological-sorting/)
15. [Python Program for Radix Sort](https://www.geeksforgeeks.org/python-program-for-radix-sort/)
16. [Python Program for Binary Insertion Sort](https://www.geeksforgeeks.org/python-program-for-binary-insertion-sort/)
17. [Python Program for Bitonic Sort](https://www.geeksforgeeks.org/python-program-for-bitonic-sort/)
18. [Python Program for Comb Sort](https://www.geeksforgeeks.org/python-program-for-comb-sort/)
19. [Python Program for Pigeonhole Sort](https://www.geeksforgeeks.org/python-program-for-pigeonhole-sort/)
20. [Python Program for Cocktail Sort](https://www.geeksforgeeks.org/python-program-for-cocktail-sort/)
21. [Python Program for Gnome Sort](https://www.geeksforgeeks.org/python-program-for-gnome-sort/)
22. [Python Program for Odd-Even Sort / Brick Sort](https://www.geeksforgeeks.org/python-program-for-odd-even-sort-brick-sort/)
23. [Python Program for BogoSort or Permutation Sort](https://www.geeksforgeeks.org/python-program-for-bogosort-or-permutation-sort/)
24. [Python Program for Cycle Sort](https://www.geeksforgeeks.org/python-program-for-cycle-sort/)
25. [Python Program for Stooge Sort](https://www.geeksforgeeks.org/python-program-for-stooge-sort/)

**Functions**

1. Write a Python function to find the Max of three numbers
2. Write a Python function to sum all the numbers in a list.   
   Sample List : (8, 2, 3, 0, 7)  
   Expected Output : 20
3. Write a Python function to multiply all the numbers in a list.    
   Sample List : (8, 2, 3, -1, 7)  
   Expected Output : -336
4. Write a Python program to reverse a string.    
   Sample String : "1234abcd"  
   Expected Output : "dcba4321"
5. Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument.
6. Write a Python function to check whether a number falls in a given range
7. Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters.   
   Sample String : 'The quick Brow Fox'  
   Expected Output :  
   No. of Upper case characters : 3  
   No. of Lower case Characters : 12
8. Write a Python function that takes a list and returns a new list with unique elements of the first list.   
   Sample List : [1,2,3,3,3,3,4,5]  
   Unique List : [1, 2, 3, 4, 5]
9. Write a Python function that takes a number as a parameter and check the number is prime or not
10. Write a Python function that checks whether a passed string is palindrome or not
11. Write a Python function to check whether a string is a pangram or not Note : Pangrams are words or sentences containing every letter of the alphabet at least once.  
    For example : "The quick brown fox jumps over the lazy dog"
12. Write a Python program that accepts a hyphen-separated sequence of words as input and prints the words in a hyphen-separated sequence after sorting them alphabetically.    
    Sample Items : green-red-yellow-black-whiteExpected Result : black-green-red-white-yellow
13. Write a Python function to create and print a list where the values are square of numbers between 1 and 30 (both included).
14. Write a Python program to access a function inside a function
15. Write a Python program to detect the number of local variables declared in a function