

LIST OF PYTHON PROGRAMS

1. Program to count the number of each vowel in a string.
2. Program to sort alphabetically the words form a string provided by the user.
3. Program to transpose a matrix using nested loop.
4. Program to multiply two matrices using nested loops.
5. Write a program for handling file operation errors.
6. Write a program to display student's information using multiple inheritances.
7. Write a program to display customer information using multilevel inheritance.
8. a. Write a Python program to calculate number of days between two dates.
Sample dates : (2014, 7, 2), (2014, 7, 11)
b. Write a Python program to display the examination schedule. (extract the date from exam_st_date)
c. Write a Python program to print the calendar of a given month and year.
d. Write a Python program to get file creation and modification date/times
e. Python program to convert time from 12 hour to 24 hour format
9. Write a Python program to create a histogram from a given list of integers.
10. Write a Python program that will accept the base and height of a triangle and compute the area.
11. Write a Python program to compute the greatest common divisor (GCD) of two positive integers.
12. Write a Python program to get the least common multiple (LCM) of two positive integers.
13. a. Write a Python program to get OS name, platform and release information.
b. Write a Python program to find out the number of CPUs using
c. Write a Python program to check whether a file exists
d. Write a Python program to list all files in a directory in Python
e. Write a python program to access environment variables.
14. a. Write a python program to sum of the first n positive integers.
b. Write a Python program to convert height (in feet and inches) to centimeters.
c. Write a Python program to convert the distance (in feet) to inches, yards, and miles.
d. Write a Python program to convert all units of time into seconds.
15. Python program to print all Prime numbers in an Interval
16. Python Program for How to check if a given number is Fibonacci number?
17. Python program to find second largest number in a list
18. Write a program to remove duplicate elements from list.
19. Python program to print even length words in a string
20. Python | Count the Number of matching characters in a pair of string
21. Remove all duplicates from a given string in Python
22. Python | Program to check if a string contains any special character
23. Python program to find the sum of all items in a dictionary
24. Python | Print an Inverted Star Pattern
Print Diamond Pattern

- Program to print the pattern 'G'
 - Program to print the given Z Pattern
 - Program to print the pattern "GFG"
 - Print the given pattern recursively
 - Program to print the pattern "D"
 - Program to print the pattern "H"
25. Find the position from where the parenthesis is not balanced
 26. Write a program to get all substrings of given string
 27. a. Write a program to convert json data into python Dictionary
b. Write a Python program to convert Python object to JSON data.
 28. Write a Python program to print a long text, convert the string to a list and print all the words and their frequencies.
 29. Write a Python program to count the number of each character of a given text of a text file.
 30. Write a Python program to get all strobogrammatic numbers that are of length n.
A strobogrammatic number is a number whose numeral is rotationally symmetric, so that it appears the same when rotated 180 degrees. In other words, the numeral looks the same right-side up and upside down (e.g., 69, 96, 1001).
For example,
Given n = 2, return ["11", "69", "88", "96"].
Given n = 3, return ['818', '111', '916', '619', '808', '101', '906', '609', '888', '181', '986', '689']
 31. Write a Python program to find the number of notes (Sample of notes: 10, 20, 50, 100, 200 and 500) against an given amount.
 32. Write a Python program to find the number of divisors of a given integer is even or odd.
 33. Write a Python program to combine each line from first file with the corresponding line in second file.
 34. Write a Python program to make two given strings (lower case, may or may not be of the same length) anagrams removing any characters from any of the strings.
 35. Write a Python program to count Uppercase, Lowercase, special character and numeric values in a given string.
 36. Perform following operations with Hospital Database
 - a.: Connect to the database and print its version
 - b. Read given Hospital and Doctor Information
 - c. Get List Of Doctors as per Speciality
 - d. Get List of doctors within a given Hospital
 - e. update doctor experience in years
 37. Create a basic calculator using python GUI(Tkinter)
 38. Create a GUI application which for student info.(use mysql database backend)
 39. Create a GUI for login page and connect with database..
 40. Write a program for e-mail sending in python
 41. Write a simple client-server python program using socket
 42. Write a program to print Armstrong number from 1 to 10000
 43. Write a program to print Perfect number from 1 to 10000

- 44. Write a program to print Special number from 1 to 10000
- 45. Write a program to reverse alternative word in a given string
- 46. Write a program for following
input: a3b5c7
output:adbgcj
- 46. Write a program for following
input: a3b2c4
output: aaabbccccc