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S.NO.	Program name	Page	Remarks
1.	Write a Python program to perform arithmetic operations on integers.		
2.	Write a Python program to check and print the types of at least 5 different inbuilt objects.		
3.	Write a Python program to check if a number is EVEN or ODD.		
4.	Write a Python program to check if a number is Positive, Negative or Zero.		
5.	Write a Python program to check if a number is PRIME or NOT.		
6.	Write a Python program to check whether a string entered by the user is a valid decimal number or not.		
7.	Write a Python program to check if a year entered by the user is a Leap Year or NOT.		
8.	Write a Python program to check whether a string entered by the user is a palindrome or not.		
9.	Write a Python program to get a Decimal number from user and convert it into Binary, Octal and Hexadecimal.		
10.	Write a Python program to find sum of natural numbers, up to N.		
11.	Write a Python program to get marks in five subjects from user and calculate average marks, percentage and grade of a student.		
12.	Write a Python program to get a number and find the sum and product of its digits.		
13.	Write a Python program to get two integers and find their GCD and LCM.		
14.	Write a Python program to find factorial of a number using while loop.		
15.	Write a Python program to print Fibonacci series up to N terms.		
16.	Write a Python program to print multiplication table.		
17.	Write a Python program to access each element of a string in forward and backward orders using the ‘while’ loop.		
18.	Write a Python program to access each element of a string in forward and backward orders using the ‘for’ loop.		
19.	Write a Python program to find whether a substring exists in main string or not.		
20.	Write a Python program to find the first occurrence of a substring in the main string.		
21.	Write a Python program to count the number of times a substring appears in the main string.		
22.	Write a Python program to demonstrate the use of all “casing” methods and display a string in different cases.		
23.	Write a Python program to demonstrate the use of all string testing {isXXX()} methods.		
24.	Write a Python function to take a list of integers as input and return the average.		
25.	Write a Python function to take two distinct integers as input and print all prime numbers between them.		
26.	Write a Python function to take two integers as input and return both their sum and product.		

27.	Write a Python program to demonstrate the positional arguments of a function.		
28.	Write a Python program to demonstrate the keyword arguments of a function.		
29.	Write a Python program to demonstrate the default arguments of a function.		
30.	Write a Python function to demonstrate variable length arguments.		
31.	Write a Python function to demonstrate keyword variable length arguments.		
32.	Write a Python program to demonstrate global and local variables.		
33.	Write a Python function that takes an integer as input and calculates its factorial using recursion.		
34.	Write a Python program to demonstrate the use of lambda functions.		
35.	Write a Python program to demonstrate the use of lambda functions and map.		
36.	Write a Python program to demonstrate the use of lambda functions and reduce.		
37.	Write a Python program to demonstrate the various list processing methods.		
38.	Write a Python program to find the biggest and smallest numbers in a list of integers.		
39.	Write a Python program to find common elements in two lists.		
40.	Write a Python program to demonstrate the various tuple processing methods.		
41.	Write a Python program to demonstrate the use of dictionaries.		
42.	Write a Python program to find the number of occurrences of each letter in a string using dictionaries.		
43.	Write a Python program to print the CWD and change the CWD.		
44.	Write a Python program that takes a list of words from the user and writes them into a file. The program should stop when the user enters the word ‘quit’.		
45.	Write a Python program that reads a file in text mode and counts the number of words that contain anyone of the letters [‘w’, ‘o’, ‘r’, ‘d’, ‘s’].		
46.	Python programs to demonstrate the creation and use of “modules”.		
47.	Exception Handling Program that uses try and except.		
48.	Exception Handling Program that handles multiple types of exceptions.		
49.	Exception Handling Program that uses try, except and else.		
50.	Exception Handling Program that uses finally with try.		
51.	Write a Python program that creates a class “Person”, with attributes [aadhar, name, DoB]		
52.	Write a Python program that creates classes “Point” and “Rectangle” where the Rectangle class has a Point object as its attribute.		
53.	Write a Python program that creates a class Students which inherits the properties of the “Person” class; add attributes [roll_no, class].		
54.	Write a Python program to demonstrate “Multiple Inheritance”.		
55.	Write a Python program to demonstrate “Method Overriding”.		
56.	Write a Python program to demonstrate “Method Overloading”.		
57.	Write a Python program to demonstrate “Operator Overloading” [+ and -] using a class “Book”.		

58.	Use the “turtle” module to draw concentric circles with different colours.		
59.	Use the “turtle” module to print the multiplication table.		
60.	Use the “turtle” module to draw (not write) your name.		