BVM Engineering College

Computer Department

CP460: Python Programming

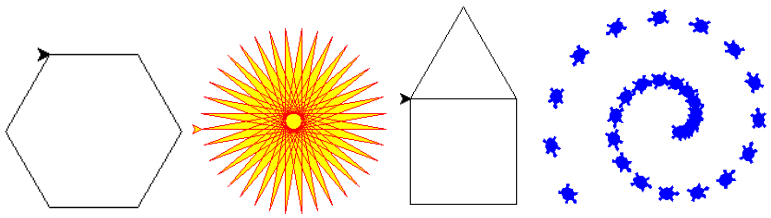
Practical List

1. Python Program to Print Hello world!
2. Python Program to Demonstrate the use of list, tuple and dictionary
3. Python Program to Calculate the Area of a Triangle
4. Python Program to Solve Quadratic Equation
5. Python Program to Swap Two Variables
6. Python Program to Generate a Random Number
7. Python Program to Convert Celsius To Fahrenheit
8. Python program to check if a number is positive, negative or zero
9. Python Program to Check if a Number is Odd or Even
10. Python Program to Find the Largest Among Three Numbers
11. Python Program to Print all Prime Numbers in an Interval
12. ram to Find the Factorial of a Number
13. Python Program to Display the multiplication Table of a Number.
14. Python Program to Print the Fibonacci sequence
15. Python Program to Print all Armstrong Number in an Interval
16. Python Program to Find the Sum of Natural Numbers
17. Python Program to Convert Decimal to Binary
18. Python Program to Find Factors of Number
19. Python Program to Display Fibonacci Sequence Using Recursion
20. Python Program to Find Factorial of Number Using Recursion
21. Python Program to Transpose a Matrix
22. Python Program to Multiply Two Matrices
23. Write a program to compute 1/2+2/3+3/4+...+n/n+1 with a given n input by console (n>0).
24. Python Program to Display Different Patterns.

*	1	A
* *	2 1	C B
* * *	3 2 1	F E D
* * * *	4 3 2 1	J I H G
* * * * *	5 4 3 2 1	
* * * *	6 5 4 3 2 1	
* * *		
* *		
*		

25. Python Program to Check Whether a String is Palindrome or Not
26. Python Program to Sort Words in Alphabetic Order
27. Python Program to Count the Number of Each Vowel
28. Python Program to Sort Elements in ascending order by using bubble sort.
29. Write a Python program to read an entire text file.
30. Write a Python program to append text to a file and display the text.
31. Write a Python program to read a file line by line and store it into a list.
32. Write a Python program to write a list to a file.

33. Python Program to Demonstrate the Exception Handling Concept.
34. Write a Python function to multiply all the numbers in a list.
35. Write a Python function that takes a list and returns a new list with unique elements of the first list.
36. Write a Python program to access a function inside a function.
37. Write a Python function that prints out the first n rows of Pascal's triangle.
38. Write a Python class to reverse a string word by word.
    For Example: Input string : 'hello .py'
    Expected Output : '.py hello'
39. Write a Python class for addition of two complex numbers.
40. Define a class named Shape and its subclass Square. The Square class has an init function which takes a length as argument. Both classes have a area function which can print the area of the shape where Shape's area is 0 by default.
41. Demonstrate the use of multiple inheritance.
42. Write any two Python Program to Demonstrate the use of RE.
43. Write a Python Program for connection oriented client server bidirectional communication.
44. Write a Python Program for connection less client server bidirectional communication.
45. Write a Python Program using thread to display current date and time.
46. Write a Python Program to synchronize the multiple threads.
47. Write a Python Program to Demonstrate the PyLab tool.
48. Python Program to Display Different Graphics using turtle.



49. Create GUI using Python which will demonstrate at least 8 controls.

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