BVM Engineering College
Computer Department
4CP50: Python Programming
Practical List
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Sr. No.	Title of the program	Page no.
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 and vice versa.	
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.	Python program 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.	Write a program to compute 1/2+2/3+3/4+...+n/n+1 with a given n input by console (n>0).	

20.	Python Program to Display Different Patterns.		
	<pre>* *</pre>	<pre>1 2 1 3 2 1 4 3 2 1 5 4 3 2 1 6 5 4 3 2 1</pre>	<pre>A C B F E D J I H G</pre>

21.			
	<pre>A AB ABC ABCD</pre>	<pre>* *</pre>	<pre>11111 2222 333 44 5</pre>

22.	Python Program to Transpose a Matrix.	
23.	Python Program to Multiply Two Matrices.	
24.	Python Program to Check Whether a String is Palindrome or Not.	
25.	Python Program to Sort Words in Alphabetic Order.	
26.	Python Program to Demonstrate any Five String Handling Functions.	
27.	Python Program to Sort Elements in Ascending Order by Using Bubble Sort.	
28.	Python Program to demonstrate following list functions. a. Append b. Count c. Insert d. Pop e. Remove	
29.	Python Program to Demonstrate 'set' With any Two Methods.	
30.	Python Program to Display Calendar of a Particular Month.	

31.	Python Program to Show the use of Call by Value and Call by Reference.	
32.	Python Program to Print the Fibonacci sequence using UDF.	
33.	Python Program to Demonstrate the use of Keyword and Required Arguments in UDF.	
34.	Python Program to Count the Number of Each Vowel in the Input String.	
35.	Write a Python function to multiply all the numbers in a list.	
36.	Write a Python function that takes a list and returns a new list with unique elements of the first list.	
37.	Write a Python program to access a function inside a function.	
38.	Write a Python function that prints out the first n rows of Pascal's triangle.	
39.	Write a python program to create a package and use it in any python script.	
40.	Write a python program to read an entire text file.	
41.	Write a python program to randomly access a record from a binary file.	
42.	Write a python program to create a file and write some data to the file and display it.	
43.	Write a Python program to append text to a file and display the text.	
44.	Write a Python program to read a file line by line and store it into a list.	
45.	Write a Python program to write a list to a file.	
46.	Python Program to Demonstrate the Exception Handling Concept.	
47.	Python Program to Count Number of Lines, Words and Characters in a File.	
48.	Write a python class for addition of two complex numbers.	
49.	Write a python program to create student class having members like name, id_number, contact number, Branch name. Define member functions getdata() to ask user to input the data members of the class and display() function to display student information.	
50.	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.	
51.	Write a python program to demonstrate the multiple inheritance.	

52.	Write a python program to access base class constructor and method in the sub class using super().	
53.	Write a python program to create a regular expression to search for strings starting with m and having total 3 characters.	
54.	Write a python program to create a regular expression to retrieve all words starting with b in a given string.	
55.	Write a python program to create a regular expression to retrieve marks and names from a given string.	
56.	Write a python program to create a regular expression that reads email-ids from a text file.	
57.	Write a program to demonstrate database connectivity in python by creating a table and insert records in the table and retrieve records from the stored table using python code.	
58.	Write a Python Program for connection oriented client server bidirectional communication.	
59.	Write a Python Program for connection less client server bidirectional communication.	
60.	Write a Python Program to Demonstrate the PyLab tool.	
61.	Python Program to Display Different Graphics using turtle.	