Practical List

Sr.No	Course content
1	Print Hello World.
2	To display the sum of two numbers.
3	Calculate area of circle.
4	Accept a number from keyboard and test whether the given number is even or odd.
5	To display numbers from 1 to 10 using while loop.
6	To display even numbers between X and Y.
7	To display the elements of a list using for loop.
8	Draw following patterns using nested loops.

```
*                    1                    *                    1
**                   12                  * *                  2 2
***                  123                * * *                3 3 3
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9	Write a Python function to swap two numbers.
10	Write a Python function to find the greatest of 3 numbers.
11	Write a Python function to find the roots of a quadratic equation.
12	Write a Python function to evaluate factorial function using while loop.
13	Write a Python function to test whether a given number is prime or not.
14	Write a Python function to generate Fibonacci series till given number.
15	A python program that helps to know the effects of slicing operations on an array.
16	A python program to sort the array elements using bubble sort technique.
17	A python program to search for the position of an element in an array using index( ) method.
18	A python program to accept two matrices and find their product.
19	A python program to find the number of words in a string.
20	A python program to insert a sub string in a string in a particular position.
21	A python program to know how many times an element occurred in the list.
22	A python program to sort a tuple with nested tuples.
23	A python program to convert the elements of two lists into key-value pairs of a dictionary.

24	A python program to create a Bank class where deposits and withdrawals can be handled by using instance methods.
25	A python program to implement multiple inheritance using two base classes.
26	A python program to overload greater than (>) operator to make it act on class objects.
27	A python program to handle the ZeroDivisionError exception.
28	A python program to count the number of lines, words and characters in a text file.
29	A python program to create a regular expression to retrieve all words starting with 'a' in a given string.
30	A python program to create a regular expression to search for a word at the end of a string.
31	A python program to show method overloading to find sum of two or three numbers.
32	A python program to call super class constructor in the sub class using super().
33	A python program to implement binary search.
34	A python program to implement selection sort.
35	A python program to implement merge sort.
36	Practice PyLab.
37	Implement RSA algorithm in Python.
38	Implement Playfair cipher in Python.
39	Practice drawing using Turtle.
40	Practice drawing using Tkinter.

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