**Practical List – Std -12**

1. Write a program that accepts radius of a circle and prints its area.
2. Write a program to input percentage marks of a student and find the grade as per following criterion:

Marks Grade

>=90 A

75-90 B

60-75 C

Below 60 D

1. Write a program to print the following using a single loop (no nested loops)

1

1 1

1 1 1

1 1 1 1

1 1 1 1 1

1. Write python script to print the following pattern.

1

1 3

1 3 5

1 3 5 7

1. Find the largest/smallest number in a list/tuple.
2. WAP to accept values from user and create a tuple.
3. WAP to input any two tuples and swap their values.
4. WAP to remove all odd numbers from the given list.
5. WAP to store students’ details like admission number, roll number, name and percentage in a dictionary and display information on the basis of admission number.
6. Write a program to input n numbers from the user. Store these numbers in a tuple. Print the maximum, minimum, sum and mean of number from this tuple.
7. Write a program with a user-defined function with string as a parameter which replaces all vowels in the string with ‘\*’.
8. WAP to display frequencies of all the elements of a list.
9. Read a text file line by line and display each word separated by a #.
10. Read a text file and display the number of vowels/consonants/uppercase/lowercase characters in the file.
11. Remove all the lines that contain the character 'a' in a file and write it to another file.
12. Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message.
13. Create a binary file with roll number, name and marks. Input a roll number and update the marks.
14. Write a random number generator that generates random numbers between 1 and 6 (simulates a dice).
15. Write a Python program to implement a stack using list.
16. Create a CSV file by entering user-id and password, read and search the password for given userid.
17. Create a student table and insert data. Implement the following SQL commands on the student table:

o ALTER table to add new attributes / modify data type / drop attribute

o UPDATE table to modify data

o ORDER By to display data in ascending / descending order

o DELETE to remove tuple(s)

o GROUP BY and find the min, max, sum, count and average

1. Similar exercise may be framed for other cases.
2. Integrate SQL with Python by importing suitable module.