Python Practical
Deadline for submission: 16th November 2021, 5pm

Q1 Write python code to implement a menu driven search program (Linear and Binary search) to search for a number in a list. Take the list and element to search from the user as an input.

Q2 Write a program to check whether the binary representation of a given number is a palindrome or not in Python.

Enter a number: 27
The binary representation of the number is a palindrome.

Enter a number: 100
The binary representation of the number is not a palindrome.

Q3 Write a python program to find the maximum frequency character in the string.

Enter the string : pythonprogramminglanguage
g is the maximum frequency character with frequency of 4

Q4 Write a python program to implement insertion sort on a list of strings taken as input from the user.

Q5 Write a python program to find the cumulative sum of elements of a list.

Enter number of elements : 5
1
7
3
5
2
Entered List [1, 7, 3, 5, 2]
Cumulative sum List [1, 8, 11, 16, 18]