SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT
B. Tech - 1st Year
(Even Semester- 2024-2025)
Subject – Web Programming and Python (CS104)
Python Lab Assignment 11

1. Write a Python program that generates random alphabetical characters, alphabetical strings, and alphabetical strings of a fixed length to store it in a text file.

2. Write a Python program to read and display the content of a CSV file having student details.

3. Write a Python program to count the number of lines in a given CSV file.

4. Write a Python program to write dictionaries and a list of dictionaries to a given CSV file.

5. Create a module badic_maths having following functions:
   i) round()To give precision upto 3 position ii) floor() iii) ceil() iv) hello(user): To greet user

Import this function in a Python file and calculate the area of the circle. 6. Your local university's CSE club maintains a register of its active members on a .txt document. Every month they update the file by removing the members who are not active.

Given the file currentMember, Remove each member with a 'no' in their Active column. Keep track of each of the removed members and append them to the exMember file. Make sure that the format of the original files is preserved. (*Hint: Do this by reading/writing whole lines and ensuring the header remains*)