Logo

Description automatically generated **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**

**Time: 1 hours AI 319 Lab Marks: 50**

**Instructor: Muhammad Muneeb Baig Lab #02**

**Task 01: Write a program that can identify between different numbers (jazz/ uphone/ warid/ zong/ Telenor) from a txt file or some text given. Your code should Also tell the line number of the contact i.e., (uphone on line 22).**

1. **Extract first name from any given text and show it in a column in csv file or xls.**

**Task 02:** **Write a program that mimics the functionality of the backspace key.**

**Allow a user to insert a string of text and then when done, the program deletes the text characters one at a time when we press enter.**

*hint: use the regex to look for the last character in the entered string and replace it with a null/nil value "".*

*Example: enteredstring = sdadgsueewiwhbzx*

*The regex replaces x with "" and the length of the string actually decreases. Hit enter again, the regex replaces z with "". e.t.c*

**Task 03:** **Check if a given string 1. consists only of 12 characters which are digits 2. has a structure of either xxx-xxx-xxx-xxx or xxxxxxxxxxxx 3. there is no sequence of 3 or more the same digits.**

**Task 04: Write a program to take several line inputs from File and, read the lines and tell**

1. **whether there is a comment line or not?**
2. **If there is comment used in the program, is it single line or multiline?**
3. **Position/line number where comments are used.**

**Hint: Use line break to count and specify position.**