**MDS171 Lab1**

**Date : 2/7/2024 Time 10.30-12.30PM**

**Exercises for Strings**

Note : All questions need to coded, upload the .py/.ipynb files along with screenshot of the output

1. Write a function that takes a string as an argument and displays the letters backward, one per line.
2. Consider the following function

*def find(word, letter):*

*index = 0*

*while index < len(word):*

*if word[index] == letter:*

*return index*

*index = index + 1*

*return -1*

Modify *find* so that it has a third parameter, the index in *word* where it should start looking.

1. ROT13 is an encryption that involves “rotating” each letter in a word by 13 places. To rotate a letter means to shift it through the alphabet, wrapping around to the beginning if necessary, so ’A’ shifted by 3 is ’D’ and ’Z’ shifted by 1 is ’A’.

Write a function called my\_*rot13* that takes a string and an integer as parameters, and that returns a new string that contains the letters from the original string “rotated” by the given amount.

For example, “cheer” rotated by 7 is “jolly” and “melon” rotated by -10 is “cubed”.

Hint: use the built-in functions *ord*, which converts a character to a numeric code, and *chr*, which converts numeric codes to characters.