**Assignment - 1**

1. Read a text file ‘CS638\_A.txt’ as input file, which holds full names of all the students. File contents are written as name per each line.

* Perform required text corrections after taking file as input
* Create a dictionary the holds key as ‘638AS1’ for student 1, ‘638AS2’ for student and go on. So, the last student’s key will be ‘638AS22’. Values for all these keys will be their full names
* Write all this data to a ‘Student\_details.txt’ file in below format,

ID Name

CS638AS1 Kevin Miller

1. Write a program the inputs text file. The program should print all of the unique words in the file in alphabetical order and return total number of words and total number of unique words.

\*\*Add docstrings and Comments wherever needed

\*\* Use meaningful identifiers

\*\*Add algorithm on how you solved the problem

Some string methods you can use to achieve above tasks,

* .split()
* .strip()
* .sort()
* .upper
* .lower
* .splitlines()
* .format()
* And many more string methods discussed in class.

Example for .format() method

Text

Description automatically generated