NATIONAL UNIVERSITY
OF COMPUTER & EMERGING SCIENCES
PESHAWAR CAMPUS

Problem Set:	File Handling	**Semester**:	Fall 2020
Points:	*See autograder*		
Date Set:	*See autograder*	**Due Date**:	*See autograder*
Course:	CS118 Programming Fundamentals	**Instructor**:	Engr. Sara Rehmat

1 File Handling

Since you are reading this, you have already downloaded and extracted the zip file.
Read through the whole description below before starting with the assignment.

1.1 Tasks to do

1. Read the description in detail and carefully to make sure you understand it fully. Then, read the description of tasks below. Do the tasks in order and they should be easier to complete.

    A. Write a function named text_count that takes in a directory and a filename. It should then read this file from the directory and return the number of words which are in this file.

    B. Modify the function so that it can take in an optional third parameter. If this parameter is set to True, the function should only count words which are all lowercase. You can use the "islower()" function to check if a word is in lowercase or not.

    C. Modify the function so that it can take in an optional fourth parameter. If this parameter is set to True, the function should count the number of characters in the file.

    D. Write a third function named copy_lines that takes in two relative paths – one for the input file and another for the output file. The function should also take in a third parameter that gives the number of lines to be copied from the input file to the output file. This function returns nothing but moves the specified number of lines from the top of the input file to the output file.

2. Run local tests and if they pass, submit the assignment using the submission command given on the Autograder assignment page. (Same as the first assignment.)

HINT: For part A, split the files in lines using '\n', and then find the number of words in each line.