

python3 student_no.py # takes inputs from the terminal and displays results (if any).

python3 student_no.py<input1.txt # it takes inputs from input1.txt and displays the result in the terminal.

python3 student_no.py<input1.txt>myoutput.txt # it takes the inputs from input1.txt and creates the myoutput.txt document and writes the result here.

diff output1.txt myoutput.txt # compares the document output1.txt with the document myoutput.txt.

diff --ignore-all-space output1.txt myoutput.txt # compares the document output1.txt with the document myoutput.txt without ignoring the spaces.

QUESTION 1

Write a function that takes two strings by taking data from the user and returns the characters that are common to both strings, only in the first string, and only in the second string, as a tuple type, and the program that runs this function.

Note: It is mandatory to use a function.

Input 1	Input 2
python # first string	lab1
django # second string	lab2

Output 1	Output 2
['o', 'n'] #common characters	['l', 'a', 'b'] #common characters
['p', 'y', 't', 'h'] #characters only in the first string	['l'] #characters only in the first string
['d', 'j', 'a', 'g'] #characters only in the second string	['2'] #characters only in the second string