Challenge – 1

Deadline: June 5th, 2020 before 11:59 pm

In this first challenge, you have to implement the following task.
You have two string arrays; one contains the list of items and the other contains the list of string that you want to search on the item's string.
Let me give you an example, item and queary are two string arrays,
item = ["abcd", "abc123", "12", "Xyz", "abc123"] and
query = ["Xyz", "abc123", "mnop"]

So, your task is to find the number of times the elements in the query string array appears in the item string array. So, the output of the above example looks like
output = [1, 2, 0]
because "Xyz" appears only one time, "abc123" appears on two times, and "mnop" appears zero time.

You have to perform the following test cases on your code.
Test 1:

INPUT:
item1 = ["COMP2540", "uWindsor", "data", "structures", "uWindsor"]
query1 = ["2540", "uWindsor", "data"]
OUTPUT: [0, 2, 1]

Test 2:

INPUT:
item2 = ["25", "40", "25", "array", "LinkedList", "25", "trees"]
query2 = ["hashing", "25", "array", "2540"]
OUTPUT: [0, 3, 1, 0]

How to submit this challenge?

1- You have to implement this code and then you have to check both test cases.
2- You also have to include your name and your student id number in the output. (Just print it)
3- In the blackboard, you can upload two files (code + screenshot of the output (pdf)). You can also create one zip folder.

Requirements:

1. Your assignment must be **documented** well.
2. Code must be in **readable format**.
3. You can't use any in build functions
4. You have to perform all the **test cases** and your output must contain **your name and student id number.**
5. **Plagiarized** work will not be graded and receive mark zero and reported according to the Senate bylaws.