Assignment 2
File reading, File writing, C-String and Functions
CL0 2

Note:
1. **Warning: Zero marks in case of plagiarism.**
2. **Deadline: April 26, 2024, 11:59:59 PM**
3. **Submission would be done on Portal.**
4. **You should submit only cpp file.**
5. **String and its built-in function and pointers are not allowed.**

Task 1:

Write a **C++** program in which, read **integers** from file "**data.txt**" into an integer array. **First element** of **integer array** shows the **number** of records. **After** that **number of record** there is another **integer** which shows the other **number of records**.
Sample Output:

data.txt

2 9 8 **3** 4 6 7 **1** 2 **4** 7 6 4 9

Your task is to display the each records on each row.
Output:
9 8
4 6 7
2
7 6 4 9

Task 2:

Write C++ program, **with multiple functions,** that reads text, **txt**, from the file and accepts **two** patterns, **pat** and **rpat**, from the user. The program **replace all occurrences** of **pat** from the **txt with rpat**. The program output shall be as shown below in the example.

Example 1:
Original txt: yzhgdbxyz2 78rty kkbbxyz xyzxyzsolvex

pat:	xyz
rpat:	abc
Modified txt:	**bc**hgdb**abc**2 78rty kkbb**abc abcabc**solve**a**

Example 2:

Original txt:	yzhgdbxyz2 78rty kkbbxyz xyzxyzsolvex
pat:	xyz
rpat:	abcd
Modified txt:	**bcd**hgdb**abcd**2 78rty kkbb**abcd abcdabcd**solve**a**

Example 3:

Original txt:	yzhgdbxyz2 78rty kkbbxyz xyzxyzsolvex
pat:	xyz
rpat:	ab
Modified txt:	bhgdb**ab**2 78rty kkbb**ab abab**solve**a**

Note: Order of remaining elements should be same

All the best for your Second Assignment of Programming Fundamentals.