

Assignment 2

Instructions:

1. You are strictly not allowed to use anything other than pointers and dynamic memory.
2. One function should perform one functionality only.
3. If plagiarism found, zero marks will be awarded.

Task 1

Write a C++ function in which it reads **names** from file “**data.txt**” into character array and remove the repeating names. Write your updated names list in another file called “**output.txt**”

Example:

Data.txt

```
Hira
Ali
Ahmad
Imran
Ali
Warda
Annie
Ali
Kinza
Hira
```

Output.txt

```
Hira
Ali
Ahmad
Imran
Warda
Annie
Kinza
```

Task 2

Write a C++ program that finds and reverse all the occurrences of a substring, *pat*, in a string, *text*. Show the output on console. The data is read from a user provided input file named as “**input.txt**”.

Example:

```
text: abcduyeruyabcdmneaabcabcd
pat: abcd
text: dcbauyeruydcbamneaabcdcba
```

Note: Use separate functions for each functionality