

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: dcbauyeruydcbamneaabdcba
```

Note: Use separate functions for each functionality