**Assignment 4**

1. Write a program that reads the lines from ‘Our Generation.txt’ (copy paste the contents below) and write the lines in the reverse order into another file (last line first) – ‘reversePoem.txt’. Read from the new file and print the lines.

Our generation will be known for nothing.  
Never will anybody say,  
We were the peak of mankind.  
That is wrong, the truth is  
Our generation was a failure.  
Thinking that  
We actually succeeded  
Is a waste. And we know  
Living only for money and power  
Is the way to go.  
Being loving, respectful, and kind  
Is a dumb thing to do.  
Forgetting about that time,  
Will not be easy, but we will try.  
Changing our world for the better  
Is something we never did.  
Giving up  
Was how we handled our problems.  
Working hard  
Was a joke.  
We knew that  
People thought we couldn’t come back  
That might be true,  
Unless we turn things around

1. Write a program to read file names from ’fileNames.txt’ (type the names of few filenames as shown below) and print the number of digits, lines and words in each file. Output should look like:

<File name>

\_\_\_\_\_ digits in the file

\_\_\_\_\_ lines in the file

\_\_\_\_\_ words in the file

fileNames.txt content should look like:

sample.txt

sample2.txt

1. Write a program to remove the comments from the python file. (Remove the lines that start with’#’). [**Use temporary file method**]
2. Consider the file hex.txt. Write a program to print the following menu to perform the following operations on the file. [Note: **use seek() to modify**]
   1. Given an hexadecimal Ascii code , find the representation
   2. Add the ascii code 3F QUESTION MARK to the end of the file
   3. Update the code 2A from ‘XXXXXXXX’ to ‘ASTERISK’
   4. Delete the code 3A colon.
3. Write a program that asks the user for the username and password. If the username exists in ‘user.txt’ (username and password separated by comma), then verify the password. Print an appropriate message after the check. If the user does not exist in the file, then append the new username and the password to the file in the same format.

User.txt :

User1,pwd@123

User2,pwd@345

1. Accept names of the guests from the user in a list. Write the names to a file called ‘guests.txt’.

Create invite letters for each guest – invitations.txt by merging each name with the content of the letter (‘letter.txt’). Replace the word ‘Friend’ with the guest name. Also, append your name at the last after ‘Warm Regards,’. Add a line separator after every invite in ‘invitations.txt’ .

For eg: If we have 3 guests – [‘ABC’, ’DEF’, ’GHI’], then, the file invitations.txt after creation will look like:

SKCH, Mallasandra,

Bangalore

30th April 2020

Dear ABC,

We would like to invite you to join us for lunch on Sunday, 3rd May 2020 at 1 pm as we celebrate the closure of lockdown period.

The Party would be at our home and it would be an informal gathering.

We hope you would be able to make it convenient to attend the party.

Looking forward to meeting you,

Warm Regards,

Pavani

SKCH, Mallasandra,

Bangalore

30th April 2020

Dear DEF,

We would like to invite you to join us for lunch on Sunday, 3rd May 2020 at 1 pm as we celebrate the closure of lockdown period.

The Party would be at our home and it would be an informal gathering.

We hope you would be able to make it convenient to attend the party.

Looking forward to meeting you,

Warm Regards,

Pavani

SKCH, Mallasandra,

Bangalore

30th April 2020

Dear GHI,

We would like to invite you to join us for lunch on Sunday, 3rd May 2020 at 1 pm as we celebrate the closure of lockdown period.

The Party would be at our home and it would be an informal gathering.

We hope you would be able to make it convenient to attend the party.

Looking forward to meeting you,

Warm Regards,

Pavani