Question Set (Text File)

Set-1

Q. 1, Write a function display_oddLines() to display odd number of lines from text file - friends.txt

Ans:
```
def display_oddLines():
    f = open("friends.txt", ___)          #statement 1
    L = f.____________                    #statement 2
    n = ____________                      #statement 3
    print("Displaying odd number of lines:")
    for i in range(1,n, 2):
        print(____)                       #statement 4
        ____________                      #statement 5
```

Or

Q. 2, Write a program in python to show word with maximum length from a text file - "Demo.txt"

Ans:
```
def display_MaxWord():
    f = open("Demo.txt", ___)             #statement 1
    str = f.____________                  #statement 2
    WL = ____________                     #statement 3
    max = len(WL[0])
    max_word = WL[0]
    w = "" / w = 0
    for w in WL:
        if                                #statement 4
            ____________
            max = len(W)
            max_word = w
                                          #statement 5
    ____________
    print("Maximum length word :", max_word)
    print("The length of max word :", max)
```

Set-2

Q,1. Write a function display() in python that opens a file "DIARY.TXT" and display those lines which starts with the alphabet 'p' or 'P'

Ans:

```
def display():
    f = open("DIARY.TXT", ____)          # statement 1
    L = f.____                           # statement 2
    line="" / Line=0
    for line in L:
        if line[0]=="p" or ____:         # statement 3
            print ____                   # statement 4
                                         # statement 5
____
```

Or

Q,2, Write a function in Python that counts the number of "Me" or "My" words present in text file "STORY.TXT"
output : The Number of Me/My words : 4

Ans -

```
def CountMeMy():
    f = open("STORY.TXT", ____)          # statement 1
    count=0
    str = f.____                         # statement 2
    L = ____                             # statement 3
    w=""/w=0
    for w in L:
        if ____ or ____:                 # statement 4
            count += 1
                                         # statement 5
    ____
    print("The Number of Me/My words :", count)
```

Set-3

Q.1, Same as Set-2, Q-OR, Q.2,

Or

Q.2, Write a function AMCount() in Python, which should read each character of a text file STORY.TXT, should count and display the occurrence of alphabets A and M (including small cases a and m too)

output should be : A or a : 4
M or m : 2

Ans :

```
def AMCount():
    f = open("STORY.TXT", ____)                    # statement 1
    count1 = count2 = 0
    str = f.____                                   # statement 2
    ch = "" / ch = 0
    for ch in str:
        if ch == 'A' or ____                       # statement 3
            count1 = Count1 + 1
        if ____ or ch == 'm':                      # statement 4
            count2 = Count2 + 1
                                                   # statement 5
    print("A or a :", count1)
    print("M or m :", count2)
```

Set-4

Q.1, Write a program to count the number of upper-case alphabet present in text file "PYTHON.TXT"

Ans :

```
def countUpper():
    ch = " " / ch = 0
    f = open("PYTHON.TXT", ____)                   # statement 1
    count = 0
                                                   # statement 2
    str = f.____
    for ch in str:
        if ____                                    # statement 3
            count += 1
                                                   # statement 4
    print("Number of upper-case alphabet :", count)
```

OR

Q.2 Write a function which takes an input and output file. It copies all lines which starts with vowels from input file to output file. (4)

Ans:

```
def CopyLineVowel(infile, outfile):
    fin = open(infile, ____)                    # statement 1
    fout = open(outfile, ____)                  # statement 2

    L = fin.____                                # statement 3
    line = "" / line = 0
    for line in L:
        if ____:                                # statement 4
            fout.write(line)

    ____                                        # statement 5
    ____                                        # statement 6
    ____
```

Set-5

Q.1, Write a function LongLine() that accepts a file name and prints the file's longest line with its length.

Ans:

```
def LongLine(fileName):                         # fileName = STORY.TXT
    f = open(fileName, ____)                    # statement 1
    str = f.____                                # statement 2
    max = len(str[0])
    max_line = str[0]
    line = "" / line = 0
    for line in str:
        if ____:                                # statement 3
            max = len(line)
            max_line = line                     # statement 4

    ____
    print("The longest line:", max_line)
    print("The length of maximum
                length line:", max)
```

Set-5

Or,

Q.2, Write a function rem_Lower () that accepts two filenames and copies all lines that do not start with a lowercase letter from first file into second.

Ans:

```
def rem_Lower infile, outfile):
    fin = open ( infile, ____ )          # statement 1
    fout = open ( outfile, ____ )        # statement 2
    L = fin. ____                        # statement 3
    line = " " / line = 0
    for line in L:
        if line [0] . islower == False:
            fout. ____                   # statement 4
            ____                         # statement 5
```

Set-6

Q.1, Write a program to display all the records in a file "python.txt" along with line/record number.

Ans:

```
def DisplayLine ( )
    f = open ( "python.txt", "r")
    L = f. readlines ( )
    for i in range ( len (L)):
        print ("Line/Record Number :", i+1,
                                    ": ", L[i])
    f.close ( )
```

Q.2 A text file "PYTHON.TXT" contains alphanumeric text. Write a program that reads this text file and prints only the numbers or digits in the file

Ans:

Method-1:

```
def DisplayDigit():
    f = open("PYTHON.TXT", ____)          # statement 1
    str = f.____                          # statement 2
    wl = ____                             # statement 3
    print("Displaying only numbers/digits of file:")
    w=" "/w=0
    for w in wl:
        for ch in w:
            if ____:                      # statement 4
                print(ch)
                                          # statement 5
```

Method-2:

```
def DisplayDigit():
    f = open("PYTHON.TXT", "r")
    str = f.read()
    print("Displaying only number/digits of file:")
    ch=" "/ch=0
    for ch in str:
        if ch.isdigit()==True:
            print(ch)
    f.close()
```

Q.1. Write a function that takes in two text files and copies all lines from first file to second, baring the lines starting with "a",

Ans:

```
def CopyLine (infile, outfile):
    fin = open (infile, ____)                    # statement 1
    fout= open (outfile, ____)                   # statement 2
    L = fin.____                                 # statement 3
    line = "" / line = 0
    for line in L:
        if line[0] == "A" or ____ : #statement 4
            fout.____                            #statement 5
        ____                                     #statement 6
        ____                                     #statement 7
```

or

Q.2, Write a program to count the words "to" and "the" present in a text file "python.txt"

Ans:

```
def CountWord ():
    w = "" / w = 0
    f = open ("python.txt", ____)                #statement 1
    str = f.____                                 # statement 2
    wl = ____                                    # statement 3
    c1 = c2 = 0
    for w in wl:
        if w == "to" or ____ : #statement 4
            c1 = c1 + 1
        if ____ or w == "The": #statement 5
            c2 = c2 + 1
                                                 #statement 6
    ____
    print ("Number of word to/To:", c1)
    print ("Number of word the/The:", c2)
```

Set - 8

Q.1. Write a function word4() in python that displays 4 letter words present in a text file "myfile.txt"

Ans:
```
def word4():
    f = open("myfile.txt", ____)          # statement 1
    w = "" / w = 0
    str = f.____                          # statement 2
    wl = ____                             # statement 3
    for w in wl:                          # statement 4
        if ____:
            print(w)                      # statement 5
```

Q.2 → Write a python function word3() that displays 3 letter words in a text file "myfile.txt")
↳ same as Q.1.

Q.3 → Write a program filterWord5() in python that count and displays 5 letter words present in a text file "story.txt"

Ans:
```
def filterWord5():
    f = open("story.txt", ____)           # statement 1
    w = "" / w = 0
    count = 0
    str = f.____                          # statement 2
    wl = ____                             # statement 3
    for w in wl:                          # statement 4
        if ____:
            print(w)
            count += 1                    # statement 5
    print("Number of 5 letter words:", count)
```

Set -10

Q.1. Your teacher has given you a method/function filterWords() in python which read lines from text files NewsLetter.TXT, and displays those words, which are lesser than 4 characters

Ans:

```
def filterWords():
    c=0
    file = open( NewsLetter.TXT, ____ )      #statement1
    line = file.____                         #statement2
    word = ____                              #statement3
    for e in word:                           #statement4
        if ____:
            print(c)                         #statement5

____

filterWords()
```