**ASSIGNMENT -4**

Ques1) Write a Python program to read a file line by line and store it into a list.

Ans:

def file\_read(fname):

with open(fname) as f:

#Content\_list is the list that contains the read lines.

content\_list = f.readlines()

print(content\_list)

file\_read('test.txt')

Ques2) Write a Python program to read a file line by line store it into an array.

Ans:

def file\_read(fname):

content\_array = []

with open(fname) as f:

#Content\_list is the list that contains the read lines.

for line in f:

content\_array.append(line)

print(content\_array)

file\_read('test.txt')

Ques3) Write a Python program to read a random line from a file.

Ans:

import random

def random\_line(fname):

lines = open(fname).read().splitlines()

return random.choice(lines)

print(random\_line('test.txt'))

Ques4) Write a Python program to combine each line from first file with the corresponding line in second file

Ans:

with open('abc.txt') as fh1, open('test.txt') as fh2:

for line1, line2 in zip(fh1, fh2):

# line1 from abc.txt, line2 from test.txtg

print(line1+line2)

Ques5) Write a Python program to generate 26 text files named A.txt, B.txt, and so on up to Z.txt.

Ans:

import string, os

if not os.path.exists("letters"):

os.makedirs("letters")

for letter in string.ascii\_uppercase:

with open(letter + ".txt", "w") as f:

f.writelines(letter)

Ques6) Write a Python program to create a file where all letters of English alphabet are listed by specified number of letters on each line.

Ans: import string

def letters\_file\_line(n):

with open("words1.txt", "w") as f:

alphabet = string.ascii\_uppercase

letters = [alphabet[i:i + n] + "\n" for i in range(0, len(alphabet), n)]

f.writelines(letters)

letters\_file\_line(3)