……………………………………………………………..Assignment………………………………………………………………………

1. Write a function in python to read the content from a text file "ABC.txt" line by line and display the same on screen.

def display\_file\_content(filename):

try:

with open(filename, 'r') as file:

for line in file:

print(line.strip()) # strip() removes leading and trailing

whitespace

except FileNotFoundError:

print(f"Error: File '{filename}' not found.") # to print the statement

display\_file\_content("ABC.txt") # calling a function

output: ERROR!

Error: File 'ABC.txt' not found.

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2. Write a function in Python to count and display the total number of words in a text file “ABC.txt”

def count\_total\_words(filename): #using defining function

try:

with open(filename, 'r') as file: #using open function

total\_words = 0

for line in file:

words = line.split() # Split the line into words

total\_words += len(words)

print(f"Total number of words in '{filename}': {total\_words}") #print the statement

except FileNotFoundError:

print(f"Error: File '{filename}' not found.") # print the statement

count\_total\_words("ABC.txt") #calling a function

output: ERROR!

Error: File 'ABC.txt' not found.

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3. Write a function in Python to count uppercase character in a text file “ABC.txt”

def count\_uppercase\_characters(filename): #use def function uppercase charecter

try:

with open(filename, 'r') as file: #use open function

uppercase\_count = 0

for line in file: #using for loop

for char in line:

if char.isupper():

uppercase\_count += 1

print(f"Total number of uppercase characters in # print the statement

'{filename}': {uppercase\_count}")

except FileNotFoundError:

print(f"Error: File '{filename}' not found.")

count\_uppercase\_characters("ABC.txt") #call a function

output: ERROR!

Error: File 'ABC.txt' not found.

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4. Write a function display\_words() in python to read lines from a text file "story.txt", and display those words, which are less than 4 characters.

def display\_words(filename): #use def function create a function

name

try:

with open(filename, 'r') as file:

for line in file:

words = line.split() # Split the line into words

for word in words:

if len(word) < 4:

print(word)

except FileNotFoundError:

print(f"Error: File '{filename}' not found.")

display\_words("story.txt")

output: ERROR!

Error: File 'story.txt' not found.

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