**Code**

import random as rand

# Open the file is input is not there create one

try:

in\_text = open("in.txt", "r")

out\_text = open("out.txt", "w")

except IOError:

print("sample.txt does not exist creating default one.")

in\_file = open("in.txt", "w")

string = """\

Scrambling word is very interesting. Because even if they are scrambled,it doesnot scrambled on our reading.If you dont feel it scramble these file and read again.Sounds suprisimg

,isn't it.Because we don't read letter by letter,we read whole word as a whole.

""".strip()

print(string, file = in\_file)

in\_file.close()

in\_text = open("in.txt", "r")

out\_text = open("out.txt", "w")

# Function to shuffle the chars around

def shuffle(word):

if len(word) == 1:

return word

else:

half = int(len(word) / 2)

# First half in reverse

first = word[:half][::-1]

# Last half in reverse

last = word[half:len(word)][::-1]

# First + Last in reverse

return str(first+last)[::-1]

# Function to scramble the word

def scramble(word):

if len(word) < 3:

return word

first = word[:1]

last = word[-1:]

mid = word[1:-1]

if last == "." or last == ",":

last = word[-2:]

mid = word[1:-2]

return str(first) + str(shuffle(mid)) + str(last)

# Read the input and write the scrambled words to the output

for line in in\_text:

line = line.strip()

new\_line = ""

for word in line.split(" "):

new\_line += scramble(word) + " "

print(new\_line, file = out\_text)

# Close open files

in\_text.close()

out\_text.close()

**Debug**

sample.txt does not exist creating default one.

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