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**Exercise 6**

**(1)Write a program to count the number of English alphabets (lowercase and uppercase) in a text file.**

**(2)Write a program to count the number of lines in a text file.**

**(3)Write a program to count the occurrences of a specific word in a text file.**

**(4)Write a Python program to take input from the user and record it in a file. Once the input is over, the program also shows the content of a file.**

**(5) Create a small database of employees that contains following attributes: Name, age, salary**

**Write a menu-driven program to**

**(a)List all the employees**

**(b) appending a new employee**

**(c) Searching for a specific employee**

**CODE**

1.

def count\_letter():

file = open("file.txt","r")

data = file.read()

count = 0

for letter in data:

if letter.isupper() or letter.islower():

count+=1

print(count)

count\_letter()

2.

def count\_lines():

file = open("file.txt","r")

count = 0

for line in file:

count+=1

print(count)

count\_lines()

3.

def count\_words():

file = open("file.txt","r")

count = 0

for line in file:

words = line.split()

for word in words:

if word =="the" or word =="The":

count += 1

print(count)