Week- 8: Files

1. Write a Python code to merge two given file contents into a third file.

Program:

```
file1=open("t1.txt","w",encodin

g="utf-8")

file2=open("t2.txt","w")

file1.write("hello")

file2.write("world!")

file1.close() file2.close()

file1=open("t1.txt","r")

data1=file1.read()

file2=open("t2.txt","r")

data2=file2.read() file1.close()

file2.close()

file3=open("t3.txt","w")

file3.write(data1+" "+data2)

file3.close()

file3=open("t3.txt","r")

data=file3.read() file3.close()
```

O

ut

p

ut:

t1
.t
xt
:
h
el
lo
t2
.t
xt
:
w
or
ld
!
t3
.t
xt
:
h
el
lo
w

or

ld

!

2. Write a Python code to open a given file and construct a function to check for given words present in it and display on found.

Program:

file=open("t3.txt","r")

data=file.read()   #t3.txt:

hello world!

file.close() def

check_word(data,

word):

words=data.s

plit(" ")

for i in

words:

if word==i:

print("word

found")

break   else:

        print("not found")

```
word=input("Enter word to be searched:")
check_word(data,word)
```

Output:

Enter word to be searched:hello

Word found

3. Write a Python code to Read text from a text file, find the word with most number of occurrences.

Progra

m:

```
count=0
max_cou
nt=0
words=[]
file=open("text.txt","r")    # apple banana apple mango banana
mango orange mango for line in file:

string=line.lower().replace(',','').replace('.','').split
(" ")    for s in string:

words.append(s)
for i in range
(0,len(words)):
   count=1
```

```
    for j in range (i+1,len(words)):

        if words[i]==words[j]:

            count=count+1
```

if count>max_count:

max_count=count

word=words[i]

print("Most repeated

word:",word)

output

Most repeated word:mango

4. Write a function that reads a file file1 and displays the number of words, number of vowels, blank spaces, lower case letters and uppercase letters.

Program:

file1   =

open("text.txt", "r")

data=file1.read()

#hello   world

file1.close()   def

diaplay():   vowel=

0   space=0   con=0

lower=0

```python
    upper=0
 vowels = ['a', 'e', 'i', 'o', 'u', 'A', 'E', 'I',
                              'O', 'U']
    words=data.split()
print("Total words:",len(words))
for letter in data:        if
letter in vowels:
vowel = vowel+1
elif letter==" ":
space=space+1
else:

con=con+1
if
letter.islowe
r():
lower=lower
+1        if
letter.isuppe
r():
upper=upper
+1
```

```python
    print("Total
Vowels:")
print(vowel)
print("Total
con:")
print(con)
print("Total
lower:")
print(lower)
print("Total
upper:")
print(upper)
print("Total
space:")


prin
t(sp
ace)
diap
lay(
)
```

Tota

l

wor

ds:

2

Tota

l

Vow

els:

3

Total con:

7

Total lower:

10

Total upper:

0

Total space:

1

5. Write a program to print each line of a file in reverse order.

<u>**Program:**</u>

file = open

("text.txt","r")

r=file.read()

word=r.split()

print(word) ll

=[] for i in

word:

l1.append(i[::-

1])

print (l1)

Output:

['hello', 'world'] ['olleh', 'dlrow']