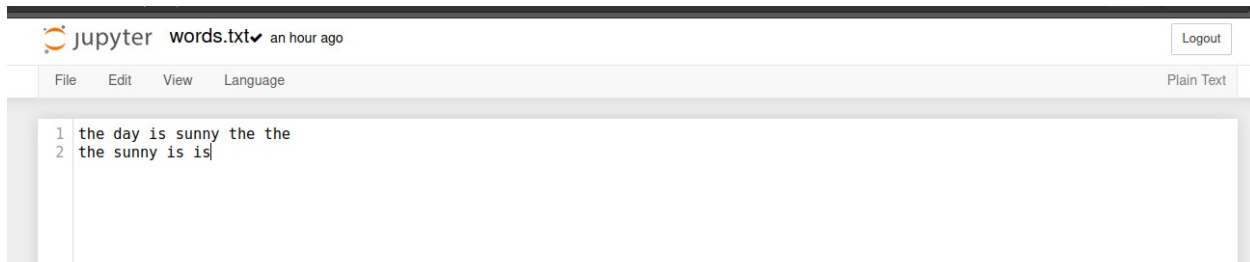


Output of the task :

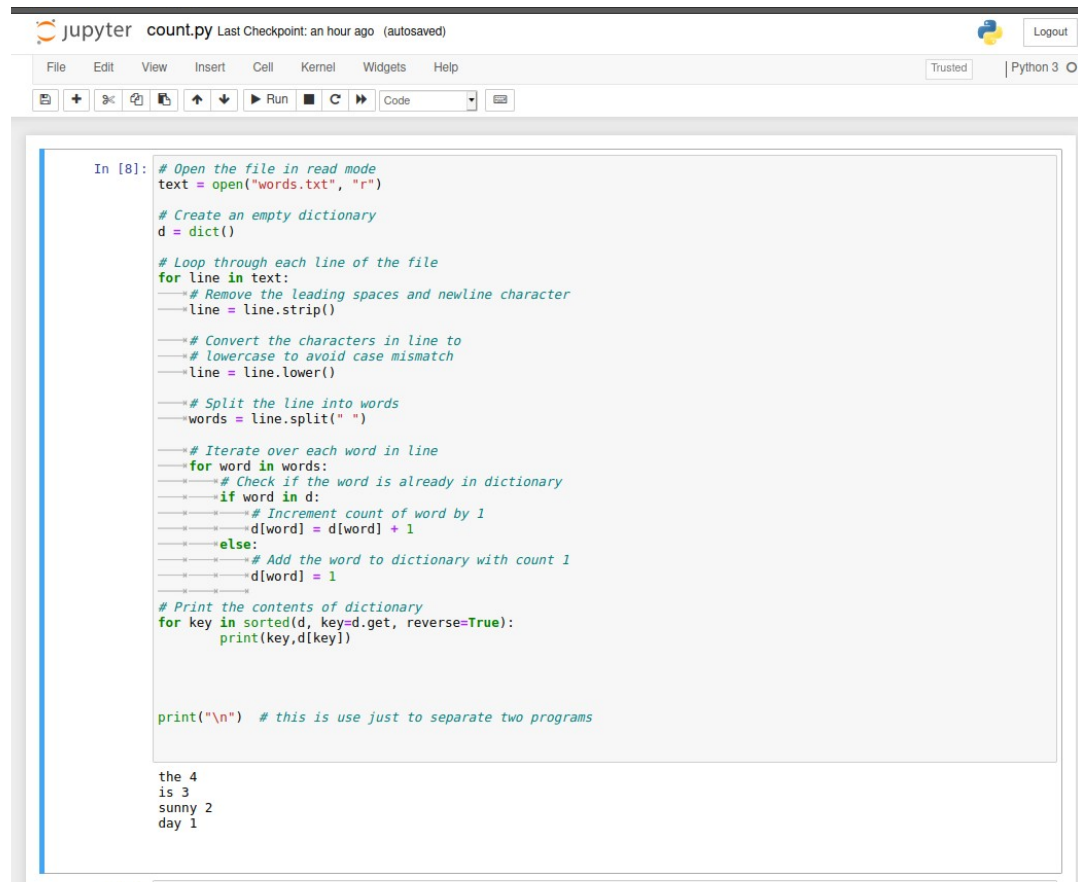
1.word.txt file



The image shows a Jupyter Notebook interface. At the top, the title bar says "jupyter words.txt an hour ago" with a "Logout" button on the right. Below the title bar is a menu bar with "File", "Edit", "View", and "Language". On the far right of the menu bar is a "Plain Text" button. The main area of the notebook contains a code cell with the following text:

```
1 the day is sunny the the
2 the sunny is is
```

count.py file



The image shows a Jupyter Notebook interface. At the top, the title bar says "jupyter count.py Last Checkpoint: an hour ago (autosaved)" with a "Logout" button on the right. Below the title bar is a menu bar with "File", "Edit", "View", "Insert", "Cell", "Kernel", "Widgets", and "Help". On the far right of the menu bar is a "Trusted" button and a "Python 3" dropdown menu. Below the menu bar is a toolbar with various icons. The main area of the notebook contains a code cell with the following Python code:

```
In [8]: # Open the file in read mode
text = open("words.txt", "r")

# Create an empty dictionary
d = dict()

# Loop through each line of the file
for line in text:
    # Remove the leading spaces and newline character
    line = line.strip()

    # Convert the characters in line to
    # lowercase to avoid case mismatch
    line = line.lower()

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

    # Iterate over each word in line
    for word in words:
        # Check if the word is already in dictionary
        if word in d:
            # Increment count of word by 1
            d[word] = d[word] + 1
        else:
            # Add the word to dictionary with count 1
            d[word] = 1

# Print the contents of dictionary
for key in sorted(d, key=d.get, reverse=True):
    print(key,d[key])

print("\n") # this is use just to separate two programs

the 4
is 3
sunny 2
day 1
```

or

## 2.waterjug.py file

```
jupyter waterjug Last Checkpoint: 2 hours ago (autosaved) Logout
File Edit View Insert Cell Kernel Widgets Help Trusted Python 3
In [2]: # Python3 implementation of program to count
# minimum number of steps required to measure
# d litre water using jugs of m liters and n
# liters capacity.
def gcd(a, b):
    if b==0:
        return a
    return gcd(b, a%b)

''' fromCap -- Capacity of jug from which
water is poured
toCap -- Capacity of jug to which
water is poured
d -- Amount to be measured '''
def Pour(toJugCap, fromJugCap, d):

    # Initialize current amount of water
    # in source and destination jugs
    fromJug = fromJugCap
    toJug = 0

    # Initialize steps required
    step = 1
    while ((fromJug is not d) and (toJug is not d)):

        # Find the maximum amount that can be
        # poured
        temp = min(fromJug, toJugCap-toJug)

        # Pour 'temp' liter from 'fromJug' to 'toJug'
        toJug = toJug + temp
        fromJug = fromJug - temp

        step = step + 1
        if ((fromJug == d) or (toJug == d)):
            break

        # If first jug becomes empty, fill it
        if fromJug == 0:
            fromJug = fromJugCap
            step = step + 1

        # If second jug becomes full, empty it
        if toJug == toJugCap:
            toJug = 0
            step = step + 1

    return step

# Returns count of minimum steps needed to
# measure d liter
def minSteps(n, m, d):
    if m> n:
        temp = m
        m = n
        n = temp

    if (d%(gcd(n,m)) is not 0):
        return -1

    # Return minimum two cases:
    # a) Water of n liter jug is poured into
    # m liter jug
    return(min(Pour(n,m,d), Pour(m,n,d)))

# Driver code
if __name__ == '__main__':

    n = 12
    m = 11
    d = 2

    print('Minimum number of steps required is',minSteps(n, m, d))

Minimum number of steps required is 6

<>:61: SyntaxWarning: "is not" with a literal. Did you mean "!="?
<>:61: SyntaxWarning: "is not" with a literal. Did you mean "!="?
<ipython-input-2-b895912eb033>:61: SyntaxWarning: "is not" with a literal. Did you mean "!="?
    if (d%(gcd(n,m)) is not 0):
```