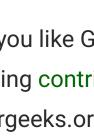
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                                           d = dict()
 __init__ in Python
                                           for line in text:
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                                                    else:
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 Difference between input()
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                                     Output:
 Python datetime module with
                                      mango: 3
 examples
                                      banana: 3
                                      apple : 3
 Deploy Python Flask App on
                                      pear : 2
 Heroku
                                      grapes : 1
                                      strawberry : 2
 Python - List XOR
                                      kiwi: 1
 Django Models
                                     Example #2:
 Python - Call function from
 another function
 Python While Loops
 Python return statement
 Django Forms
                                           import string
 Python Data Types
 Binarytree Module in Python
                                           d = dict()
                                           for line in text:
                                                    else:
                                     Output:
                                      mango: 3
                                      banana : 3
                                      apple : 3
                                      pear : 2
                                      grapes : 1
                                      strawberry : 2
                                      kiwi : 1
```

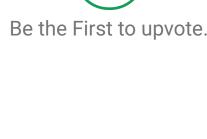
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Courses
Python | Count occurrences of each word in giv-
en text file (Using dictionary)
Many times it is required to count the occurrence of each word in a text file. To
achieve so, we make use of a dictionary object that stores the word as the key and
its count as the corresponding value. We iterate through each word in the file and
add it to the dictionary with count as 1. If the word is already present in the dictio-
nary we increment its count by 1.
First we create a text file of which we want to count the words. Let this file be sam-
ple.txt with the following contents:
 Mango banana apple pear
 Banana grapes strawberry
 Apple pear mango banana
 Kiwi apple mango strawberry
Note: Make sure the text file is in same directory as the Python file.
     # Open the file in read mode
     text = open("sample.txt", "r")
      # Create an empty dictionary
      # Loop through each line of the file
          # 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
                  # Add the word to dictionary with count 1
                  d[word] = 1
     # Print the contents of dictionary
      for key in list(d.keys()):
          print(key, ":", d[key])
Consider a file sample.txt that has sentences with punctuation.
 Mango! banana apple pear.
 Banana, grapes strawberry.
 Apple- pear mango banana.
 Kiwi "apple" mango strawberry.
     # Open the file in read mode
      text = open("sample.txt", "r")
      # Create an empty dictionary
      # Loop through each line of the file
          # Remove the leading spaces and newline character
         line = line.strip()
          # Convert the characters in line to
          # lowercase to avoid case mismatch
         line = line.lower()
          # Remove the punctuation marks from the line
         line = line.translate(line.maketrans("", "", string.punctuation)
          # 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
                  # Add the word to dictionary with count 1
                  d[word] = 1
      # Print the contents of dictionary
      for key in list(d.keys()):
          print(key, ":", d[key])
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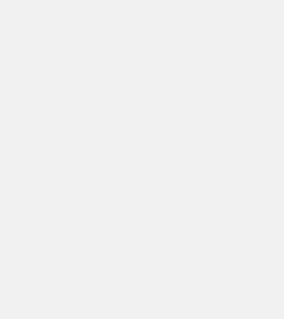
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in Python

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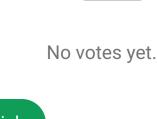
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