

Continuous Assessment
Assessment -1 (Unit-IV)
Subject Name: Python Programming
Subject Code: CSE3011

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1. The open command will open the Python file in the read mode and the for loop will print each line present in the file.
2. We can also split lines while reading files in Python. The split() function splits the variable when space is encountered. You can also split using any characters as you wish.
3. Write a function in python to read the content from a text file "poem.txt" line by line and display the same on screen. Solution

```
def read_file(filename):  
    with open(filename, 'r') as  
file:  
        for line in file:  
            print(line.strip())  
  
# Call the function with the  
filename  
read_file('poem.txt')
```

4. Write a function in python to count the number of lines from a text file "story.txt" which is not starting with an alphabet "T".

```

def count_lines(filename):
    count = 0
    with open(filename, 'r') as
file:
        for line in file:
            if not
line.startswith('T'):
                count += 1
    return count

# Call the function with the
filename
print(count_lines('story.txt'))

```

Example: If the file "story.txt" contains the following lines:

A boy is playing there.

There is a playground.

An aeroplane is in the sky.

The sky is pink.

5. Write a function in Python to count and display the total number of words in a text file. Solution

```

def count_words(filename):
    with open(filename, 'r') as
file:
        text = file.read()
        words = text.split()
        return len(words)

# Call the function with the
filename
print(count_words('textfile.txt'
))

```

6. Write a function in Python to read lines from a text file "notes.txt". Your function should find and display the occurrence of the word "the".

For example: If the content of the file is:

"India is the fastest-growing economy. India is looking for more investments around the globe. The whole world is looking at India as a great market. Most of the Indians can foresee the heights that India is capable of reaching."

```
def count_the(filename):  
    count = 0  
    with open(filename, 'r') as  
file:  
        for line in file:  
            words =  
line.lower().split()  
            count +=  
words.count('the')  
    return count  
  
# Call the function with the  
filename  
print(count_the('notes.txt'))
```