

**Name: Piyush Kasture**

**Module Name: Latest Industry Trends**

**PRN: 2509401147003**

**Assignment No. 3**

1) Write python programs to perform following actions:

- Prompt Cleaning
- Convert text to lowercase
- Remove extra spaces
- Remove basic punctuation
- Count Unique Tokens

**Code:**

```
wordString = input("Enter any words: ")  
lowercaseString = wordString.lower()  
  
removeSpacesString = lowercaseString.split(" ")  
print(removeSpacesString)  
  
tokenLen = len(removeSpacesString)  
print(tokenLen)  
  
for i in removeSpacesString:  
    if i not in ["", " ", ".", ",", "!", "?", "the", "a"]:  
        print(i)  
  
uniqueWords = set(removeSpacesString)
```

```
print(uniqueWords)

uniqueWordCount = len(uniqueWords)
print(uniqueWordCount)
```

### Output:

```
:/Piyush_Kasture/CDAC/CloudTesting/AssignmentPandas.py
Enter any words: Generate the 5 test case in the form of gerlin
['generate', 'the', '5', 'test', 'case', 'in', 'the', 'form', 'of', 'gerlin']
10
generate
5
test
case
in
form
of
gerlin
{'5', 'form', 'of', 'test', 'the', 'generate', 'in', 'case', 'gerlin'}
9

C:\Users\Piyush Kasture\AppData\Local\Programs\Microsoft VS Code>|
```