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**Module Name: Latest Industry Trends**

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**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>
```