Exp No 09 (Python)

April 13, 2024

```
[1]: dict = {}
     a = "The cat sat on the mat and then the cat jumped of the mat"
```

```
[2]: print(a)
```

```
The cat sat on the mat and then the cat jumped of the mat
```

```
[3]: list1 = a.split()
```

```
[4]: print(list1)
```

```
['The', 'cat', 'sat', 'on', 'the', 'mat', 'and', 'then', 'the', 'cat', 'jumped',
'of', 'the', 'mat']
```

```
[5]: for i in list1:
         if i[0] not in dict.keys():
             dict[i[0]] = []
             dict[i[0]].append(i)
         else:
             if i[0] not in dict[i[0]]:
                 dict[i[0]].append(i)
```

```
[6]: print(list1)
```

```
['The', 'cat', 'sat', 'on', 'the', 'mat', 'and', 'then', 'the', 'cat', 'jumped',
'of', 'the', 'mat']
```

```
[7]: print(dict)
```

```
{'T': ['The'], 'c': ['cat', 'cat'], 's': ['sat'], 'o': ['on', 'of'], 't':
['the', 'then', 'the', 'the'], 'm': ['mat', 'mat'], 'a': ['and'], 'j':
['jumped']}
```