Experiment 10

AIM

Write a Python program to get the frequency of the elements in a list.

Description

Sets:

Sets are used to store multiple items in a single variable. A set is a collection which is unordered, unchangeable, and unindexed. Sets are written with curly brackets.

List:

A list can be defined as a collection of values or items of different types. The items in the list are separated with the comma (,) and enclosed with the square brackets [].

Program

```
lst1 = list('Everyday is a Good day to learn Python')
print("List:",lst1)
# Determine unique elements in 1st1 by converting to Set
unique_elements = set(lst1)
print(unique_elements)
# Determine Count of unique elements in 1st1
count = {}
for i in 1st1:
 if i in count:
   count[i]+=1
 else:
   count[i]=1
print("Items\tFrequency")
for i,j in count.items():
 print(f"{i}\t{j}")
Items
          Frequency
    Ε
          1
```

→ Conclusion

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Hence, we have created a set of unique elements from list lst1, calculated the frequency of each element and stored them in a dictionary. In second method, we used Dictionary comprehension to create a dictionary key:value pairs of characters and their frequency in the list.

Evaluation

Criteria	Total Marks	Marks Obtained	Comments
Concept(A)	2		
Implementation(B)	2		
Performance(C)	2		
Total	6		

X