Practical 6

Question:

**Instruction:**

1. **Write Student-ID, Student-Name and Practical AIM  as comment.**
2. **Insert GitHub repository link as comment.**
3. **Write appropriate comment for each logical steps.**
4. **Publish your code in GitHub repository.**
5. **Upload .pdf file only.**

**AIM:** You are given n words. Some words may repeat. For each word, output its number of occurrences. The output order should correspond with the input order of appearance of the word. See the sample input/output for clarification.

**Sample Input**

4

bcdef

abcdefg

bcde

bcdef

**Sample Output**

3

2 1 1

**Explanation:** There are 3 distinct words. Here, "bcdef" appears twice in the input at the first and last positions. The other words appear once each. The order of the first appearances are "bcdef", "abcdefg" and "bcde" which corresponds to the output.

Code:

*import* collections

N = int(input())

d = collections.OrderedDict()

*for* i *in* range(N):

    word = input()

*if* word in d:

        d[word] += 1

*else*:

        d[word] = 1

print(len(d))

*for* k, v *in* d.items():

    print(v, end=" ")

Output:

Text

Description automatically generated