

Practical 6

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.

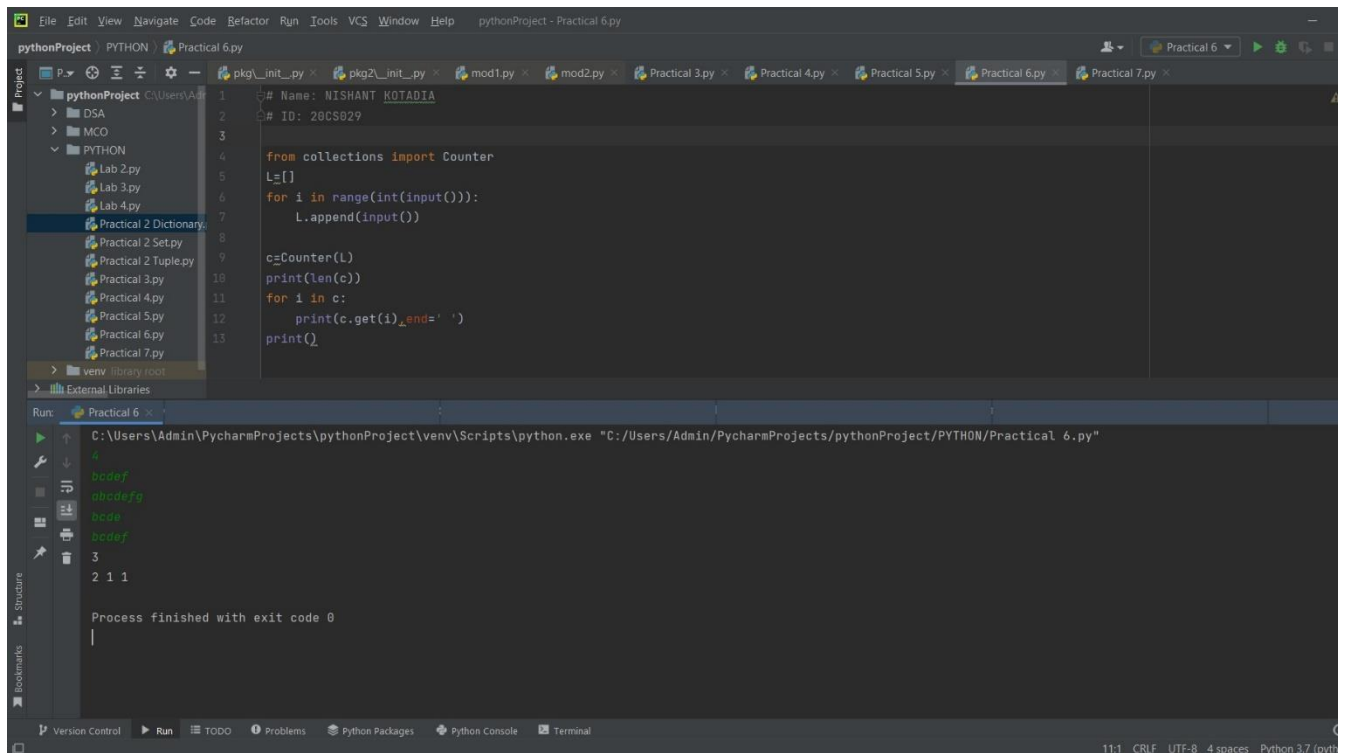
Code:

```
# Name: NISHANT KOTADIA
# ID: 20CS029

from collections import Counter
L=[]
for i in range(int(input())):
    L.append(input())

c=Counter(L)
print(len(c))
for i in c:
    print(c.get(i),end=' ')
print()
```

Output:



The screenshot displays the PyCharm IDE interface. The main editor window shows a Python script named 'Practical 6.py' with the following code:

```
1  # Name: NISHANT KOTADIA
2  # ID: 20CS029
3
4  from collections import Counter
5  L=[]
6  for i in range(int(input())):
7      L.append(input())
8
9  c=Counter(L)
10 print(len(c))
11 for i in c:
12     print(c.get(i),end=' ')
13 print()
```

The left sidebar shows the project structure with folders 'pythonProject', 'DSA', 'MCO', and 'PYTHON'. The 'PYTHON' folder contains files 'Lab 2.py', 'Lab 3.py', 'Lab 4.py', 'Practical 2 Dictionary.py', 'Practical 2 Set.py', 'Practical 2 Tuple.py', 'Practical 3.py', 'Practical 4.py', 'Practical 5.py', 'Practical 6.py', and 'Practical 7.py'. The 'Run' tab at the bottom shows the execution output for 'Practical 6.py':

```
4
abcde
abcde
abcde
2 1 1

Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8, line endings are CRLF, and the Python version is 3.7.