CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

Faculty of Technology and Engineering

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Practical List

Academic Year	:	2021-22	Semester	:	4
Course code	:	CE259	Course name	:	Programming in Python

Note: Practical List is for Students. We need to cover concept require to implement respective practical

Sr. No.	Aim
6.	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.

	`n = int(input("Enter no. of words: "))`
	
	`print('Enter',n,'words: ')`
	`lst = list()`
	`for i in range(n):`
	`  ip=input()`
	`  lst.append(ip)`
	
	`# lst = ['bcdef','abcdef','cde','bcdef']`
	
	`dict1 = dict()`
	`for i in range(n):`

```
    ip = lst[i]
    if ip not in dict1:
        dict1[ip] = 1
    else:
        dict1[ip] += 1
print('word cardinality:', dict1,'\n')

print('ANSWER:')
print(len(dict1))
for i in [i for i in dict1.values()]:
    print(i, end=" ")
```

```
Enter no. of words: 4
Enter 4 words:
bcdef
abcdefg
bcde
bcdef
word cardinality: {'bcdef': 2, 'abcdefg': 1, 'bcde': 1}

ANSWER:
3
2 1 1
Process finished with exit code 0
```

```
Enter no. of words: 5
Enter 5 words:
bob
mary
tom
mary
bob
word cardinality: {'bob': 2, 'mary': 2, 'tom': 1}

ANSWER:
3
2 2 1
Process finished with exit code 0
```