

TASK – 2

Aim :

In this task, we would like for you to appreciate the usefulness of the `groupby()` function of `itertools` . To read more about this function

You are given a string . Suppose a character 'c' occurs consecutively X times in the string. Replace these consecutive occurrences of the character 'c' with (X,c) in the string.

Input Format

A single line of input consisting of the string .

Output Format

A single line of output consisting of the modified string.

First, the character occurs only once. It is replaced by . Then the character occurs three times, and it is replaced by and so on.

Also, note the single space within each compression and between the compressions.

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Code Implementation :

```
s = input().strip()
```

```
result = []
```

```
count = 1
```

```

for i in range(1, len(s)):
    if s[i] == s[i - 1]:
        count += 1
    else:
        result.append(f"({count}, {s[i - 1]})")
        count = 1

result.append(f"({count}, {s[-1]})")

print(" ".join(result))

```

Output :

✓ Test case 0

✓ Test case 1

✓ Test case 2

✓ Test case 3

✓ Test case 4

✓ Test case 5

✓ Test case 6

Compiler Message

Success

Input (stdin) [Download](#)

1 1222311

Expected Output [Download](#)

1 (1, 1) (3, 2) (1, 3) (2, 1)