



Group(), Groups() & Groupdict() ★

62/115 challenges solved

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group()

A group() expression returns one or more subgroups of the match.

Code

```
>>> import re
>>> m = re.match(r'(\w+)@(\w+)\.(\w+)', 'username@hackerrank.com')
>>> m.group(0)      # The entire match
'username@hackerrank.com'
>>> m.group(1)      # The first parenthesized subgroup.
'username'
>>> m.group(2)      # The second parenthesized subgroup.
'hackerrank'
>>> m.group(3)      # The third parenthesized subgroup.
'com'
>>> m.group(1,2,3)  # Multiple arguments give us a tuple.
('username', 'hackerrank', 'com')
```

groups()

A groups() expression returns a tuple containing all the subgroups of the match.

Code

```
>>> import re
>>> m = re.match(r'(\w+)@(\w+)\.(\w+)', 'username@hackerrank.com')
>>> m.groups()
('username', 'hackerrank', 'com')
```

groupdict()

A groupdict() expression returns a dictionary containing all the named subgroups of the match, keyed by the subgroup name.

Code

```
>>> m = re.match(r'(?P<user>\w+)@(?P<website>\w+)\. (?P<extension>\w+)', 'myname@hackerrank.com')
>>> m.groupdict()
{'website': 'hackerrank', 'user': 'myname', 'extension': 'com'}
```

Task

You are given a string **S**.

Your task is to find the first occurrence of an alphanumeric character in **S** (read from left to right) that has consecutive repetitions.

Input Format

A single line of input containing the string **S**.

Constraints $0 < \text{len}(S) < 100$ **Output Format**

Print the first occurrence of the repeating character. If there are no repeating characters, print -1.

Sample Input

```
..12345678910111213141516171820212223
```

Sample Output

```
1
```

Explanation

.. is the first repeating character, but it is not alphanumeric.

1 is the first (from left to right) alphanumeric repeating character of the string in the substring 111.

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Python 3



```
1  import re
2
3  if __name__ == '__main__':
4      s = input()
5
6      pattern = r'([0-9]|[a-z]|[A-Z])\1'
7
8      m = re.search(pattern, s)
9
10     if m:
11         print(m.group()[0])
12     else:
13         print(-1)
14
```

Line: 14 Col: 1

☒ Upload Code as File ☐ Test against custom input**Run Code****Submit Code**

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62/115 challenges solved.

54%



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Next Challenge

Test case 0

Compiler Message

Test case 1

Success

Test case 2

Input (stdin)

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1 12345678910111213141516171820212223

Test case 3

Test case 4

Expected Output

Download

1 1

Test case 5