

'''Isogram

Determine if a word or phrase (input1) is an isogram. An isogram (also known as a "nonpattern

word") is a word or phrase without a repeating letter, however spaces and hyphens are allowed

to appear multiple times.

Examples of isograms:

lumberjacks

background

downstream

six-year-old

The function prototype is given below:

class Isogram():

def is_isogram (input1):

Write Your Code

Assumptions:

■ The input can contain both lowercase and upper case alphabets along with punctuations.

■ The output should be a Boolean value.'''

filename:mk1.py

```
def isogram(string):
    li = []
    for c1 in string:
        li.append(c1)
    temp=set(li)
    if(len(temp)==len(string)):
        return 1
    else:
        return 0
```

filename:mk2.py

```
import unittest
import mk1
class testcases1(unittest.TestCase):
    def test_isogram_check1(self):
        res=mk1.isogram(input("Enter String"))
        self.assertEqual(res,1)
        print("Test case passed")
if __name__=="__main__":
    unittest.main()
```

Output:

```
File Edit Shell Debug Options Window Help
Python 3.6.7 (default, Oct 22 2018, 11:32:17)
[GCC 8.2.0] on linux
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: /home/mukesh_murugar/Desktop/mk2.py =====
Enter Stringabc
Test case passed
.
-----
Ran 1 test in 4.014s

OK
>>>
```