

1234.py - C:/Users/nandh/AppData/Local/Programs/Python/Python311/1234.py (3.11.1)

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```
def isScramble(S1: str, S2: str):
    n=len(S1)
    if len(S1) != len(S2):
        return False
    if not n:
        return True
    if S1 == S2:
        return True
    if sorted(S1) != sorted(S2):
        return False
    for i in range(1, n):
        if (isScramble(S1[:i], S2[:i]) and isScramble(S1[i:], S2[i:])):
            return True
        if (isScramble(S1[-i:], S2[-i:]) and isScramble(S1[:-i], S2[i:])):
            return True
```

```
c=input("Enter a string:")
m=input("Enter a string:")
d=isScramble(c,m)
print(d)
```

IDLE Shell 3.11.1

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Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

==== RESTART: C:/Users/nandh/AppData/Local/Programs/Python/Python311/1234.py ===

Enter a string:great

Enter a string:rgeat

True

>>>