

Write a Pandas program to find the index of a given substring of a DataFrame column

CODE:

```
1.py - C:/Users/keert/AppData/Local/Programs/Python/Python311/query processing new/test/1.py (3.11.4)
File Edit Format Run Options Window Help
import pandas as pd

# Sample DataFrame
data = {'Column': ['apple', 'banana', 'orange', 'grape']}
df = pd.DataFrame(data)

# Substring to find
substring = 'ran'

# Find index of substring in the 'Column' of DataFrame
index = df[df['Column'].str.contains(substring)].index

# Print the result
print("Index of substring '{}' in DataFrame column:".format(substring))
print(index)
```

OUTPUT:

```
IDLE Shell 3.11.4
File Edit Shell Debug Options Window Help
Python 3.11.4 (tags/v3.11.4:d2340ef, Jun 7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/keert/AppData/Local/Programs/Python/Python311/query processing new/test/1.py
Index of substring 'ran' in DataFrame column:
Index([2], dtype='int64')
```