EXP-20

Aim: To find the index of a given substring of a Dataframe column

pseudocode:

- import the panday library
- Create a Dataframe with sampledata, including the column to search
- Define a substring to search for within the specified column
- use the str.contains() function to create a boolean mask for rows containing the substring
- Display The result

Sample Input:

```
data = { 'id' : [1, 2, 3, 4, 5, 6],
         'name' : ['Doe', 'smith', 'Alice', 'Bob', 'Charlie'] }
df = pd.Dataframe(data)
```

sample output:

Index positions of rows containing the substring 'smith' : [1]

Result:

This code was succesfully implemented and got the Output

```python
import pandas as pd

# Sample DataFrame
data = {'name': ['Alice', 'Bob', 'Charlie', 'David', 'Edward']}
df = pd.DataFrame(data)

# Find the index of rows where 'name' contains the substring 'li'
substring = 'li'
indices = df[df['name'].str.contains(substring)].index

print("Indices of rows with substring '{}':".format(substring), indices)
```

```
Indices of rows with substring 'li': Index([0, 2], dtype='int64')
```