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

**INPUT:**

import pandas as pd df = pd.DataFrame({

'name\_code': ['c0001','1000c','b00c2', 'b2c02', 'c2222'],

'date\_of\_birth ': ['12/05/2002','16/02/1999','25/09/1998','12/02/2022','15/09/1997'], 'age': [18.5, 21.2, 22.5, 22, 23]

})

print("Original DataFrame:") print(df)

print("\nIndex of a substring in a specified column of a dataframe:") df['Index'] = list(map(lambda x: x.find('c', 0, 5), df['name\_code'])) print(df)

**OUTPUT:**

