

EXPERIMENT - 40

Aim: To execute pandas program to find the index of a given substring of Dataframe column.

Pseudocode:

- 1) Import pandas library
- 2) Create or load a Dataframe.
- 3) Define the substring you want to search
- 4) Use the `str.contains()` method to check if substring is present or not.
- 5) Use `df.index[]` with the boolean mask to get the index positions where the substring is found.
- 6) Display the indices.

Sample Input:

Sample dataset (year, WHO region, country, beverage type,

Sample output:

Display value)

Indices where the substring is found: [1, 3, 4]

Result:

Therefore the pandas program to find index of a substring executed successfully.

query lab - Colab

colab.research.google.com/drive/1Jy6pvQiHiMEA98BYzwJO_yko-ooQjmu#scrollTo=wcl5ruwCF6pZ

query lab

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```
df = pd.DataFrame(data)

# Define the substring to search for
substring = "Americas"

# Use str.contains() to create a boolean mask and find the index positions
indices = df[df['WHO region'].str.contains(substring, case=False)].index

# Display the indices
print("Indices where the substring is found:", indices.tolist())
```

Indices where the substring is found: [1, 3, 4]

Type here to search

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