Python workout: Get indices of capital letters

The challenge

	A	B
1	Words	Expected Answer
2	tiGer	3
3	liON	3-4
4	ElEpHanT	1-3-5-8
5	BEAR	1-2-3-4
6	lEOPard	2-3-4
7	panda	
8	CHimPAnZEe	1-2-5-6-8-9
9	rHiNoCeRoS	2-4-6-8-10
10	HiPPoPotaMUS	1-3-4-6-10-11-12

Find the positions of uppercase letters and separate them by dashes.
The position start is 1 not 0 in the words.

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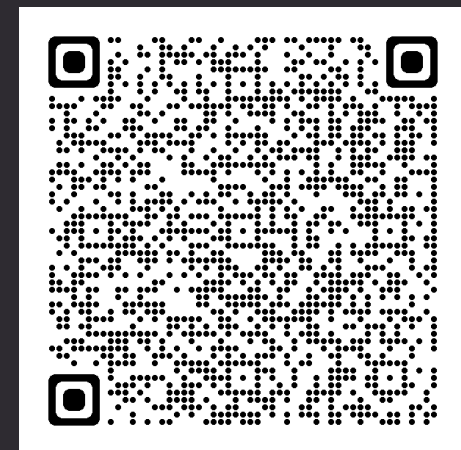https://excelbianalytics.com
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One solution...

When copying the problem link from the challenge, it was necessary to change the url from the one shown in the comment to the 'download?' version

```python
import pandas as pd

# Original link:
# https://onedrive.live.com/view.aspx?resid=E11B26EEAACB7947!8211&ithint=file%2cxlsx&authkey=!ABt7knDc8bHLlFU
url = 'https://onedrive.live.com/download?resid=E11B26EEAACB7947!8211&ithint=file%2cxlsx&authkey=!ABt7knDc8bHLlFU'

df = pd.read_excel(url, sheet_name = 'Sheet1')

# Get the indices of the capital letters
# list(w) splits each word into characters
# enumerate lets us loop the elements c in its list parameter and provides an index i
cap_indices = [
    [str(i+1) for i, c in enumerate(list(w)) if c.isupper()]
    for w in df.Words
]

# Join the indices
result = ['-'.join(c) for c in cap_indices]

result
```

A nested list comprehension that:

a) Loops through the words in the df column, and

b) Enumerates the letters in those words to extract the indices of the upper case letters

Joins each sub-list in the cap_indices list to produce the output