python_text_sequences_strings_operations_workbook_answers

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1 TEXT SEQUENCES STRINGS OPERATIONS WORKBOOK AN-SWERS

Have a go at the following questions to practice your new found skills.

If you have any questions go back to the course videos and have another look. One version of the answers is available in the next download. Remember, there are different ways to write code to get the same answer, so your answer can be correct and different to the answer example!

If you feel stuck and want some in person help, then have a look at the events page to join in a workshop https://swamphen.co.uk/events.

```python
In [ ]: # set up some strings to work with
        empty = "  "
        day = "     it's a beautiful day"
        track = '13'
        thru = 'breakthru     '
        son = 'son & daughter'
        rain = 'Rain Must Fall'
```

```python
In [ ]: # check empty is a null list
        empty.isspace()
```

```python
In [ ]: # change the variable name empty to include some characters in a list
        empty = 'tenement funster'
```

```python
In [ ]: # check to see if empty is still a null list
        empty.isspace()
```

```python
In [ ]: # is the & sign in son an alpha or a numeric character?
        print(son.isalnum())
```

```python
In [ ]: # check track is all numbers
        print(track.isnumeric())
```

```python
In [ ]: # show thru is all lower case
        print(thru.islower())
```

```
In [ ]:  # change thru to all capitals
         print(thru.upper())

In [ ]:  # to make this change permanent, give the capitalised version of thru
         # a new variable name
         thru_capital = thru.upper()
         print(thru_capital)

In [ ]:  # check it is indeed all capitals now
         print(thru_capital.isupper())

In [ ]:  # using day print out 'It's a beautiful day, the sun is shining'
         day.lstrip().capitalize() + ', the sun is shining'

In [ ]:  # create the correct lyrics of 'Break through to the sunshine from the rain'
         # using the variables thru and rain
         print(thru[0:5].capitalize() + ' through to the sunshine from the ' + rain[0:4].lower()
```