365 DataScience String formatting in Python

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Step 1 Concatenate strings
phrase_1 = 'The cat sat on the mat!'
phrase 2 = 'And so did the dog!'
# A plus sign will concatenate the strings.
# For clarity, we add a space between the two phrases.
combined = phrase 1 + ' ' + phrase 2
combined
Step 2 Find the length of a string
python = 'python'
len(python)
Step 3 Slice a string
# Indexing in Python starts from 0.
# To return the first character of a string, add square brackets with a
 0 inside.
python[0]
# To return the second character of a string, add square brackets with
a 1 inside.
python[1]
# Use a '-' sign to access the string from the end.
# You can return the last character of a string by putting -1 in square
brackets.
python[-1]
# You can return a portion of the string using the syntax
# [i:j],
# where 'i' is the index of the first character and 'j-1'
# is the index of the last character.
python[1:4]
# The syntax
# [:i]
# will output all character from index 0 to index 'i-1'.
python[:4]
Step 4 Make all characters upper- or lowercase
# Make only the first character in the string capital
python.capitalize()
# Make all characters in uppercase
python capital = python.upper()
python capital
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# Make all characters in Lowercase
python_lower = python_capital.lower()
python_lower
Step 5 The split() and strip() methods
piet hein = 'When you feel how depressingly \n\
slowly you climb \n\
it\'s well to remember that \n\
Things Take Time.'
print(piet_hein)
# Split this string into smaller strings by breaking the 'piet hein' va
riable by the specified separator.
# In this case, the separator is a space.
words_raw = piet_hein.split(' ')
words_raw
# Notice how the words list above contains '\n'.
# Often, this is not desired, so we apply the strip('\n') method below
on each word.
words stripped = [word.strip('\n') for word in words raw]
words_stripped
Step 6 The 'in' keyword
# Check whether a certain string is present in the list
print('When' in words_stripped)
print('when' in words_stripped)
Start your 365 Journey!
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