Learn Python Tutorials Python Code Jupyter Notbook

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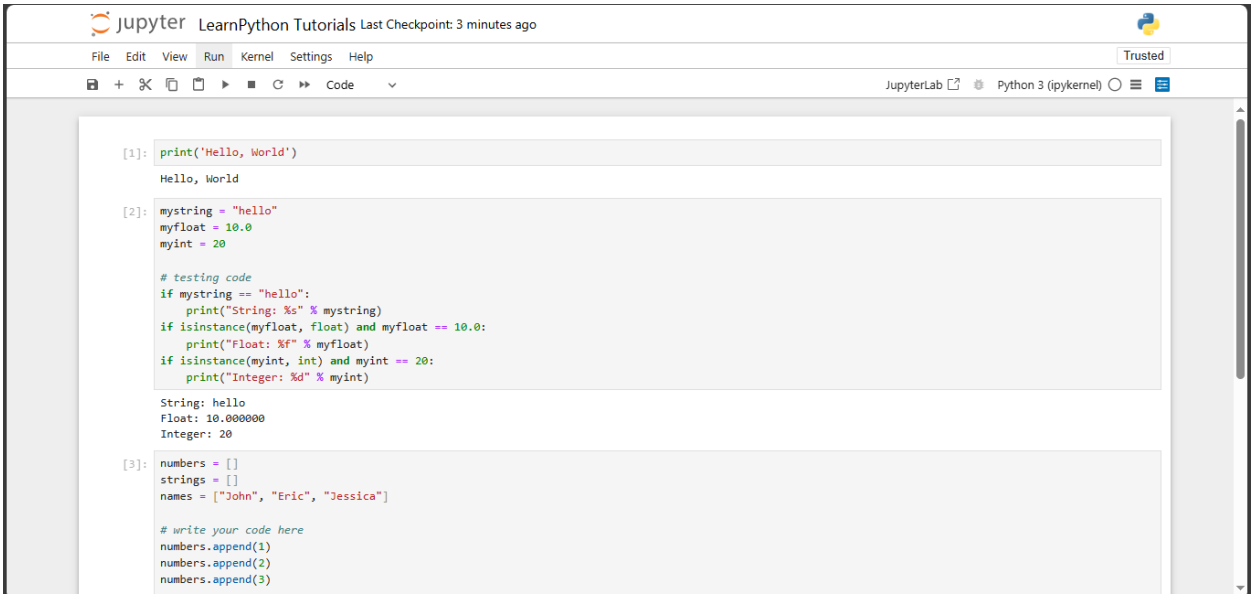


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Code
JupyterLab
Python 3 (ipykernel)
# testing code
if x_list.count(x) == 10 and y_list.count(y) == 10:
print("Almost there...")
if big_list.count(x) == 10 and big_list.count(y) == 10:
print("Great!")
x_list contains 10 objects
y_list contains 10 objects
big_list contains 20 objects
Almost there...
Great!
[5]:
data = ("John", "Doe", 53.44)
format_string = "Hello %s %s. Your current balance is $%s."
print(format_string % data)
Hello John Doe. Your current balance is $53.44.
[6]:
s = "Strings are awesome!"
# Length should be 20
print("Length of s = %d" % len(s))
# First occurrence of "a" should be at index 8
print("The first occurrence of the letter a = %d" % s.index("a"))
# Number of a's should be 2
print("a occurs %d times" % s.count("a"))
# Slicing the string into bits
print("The first five characters are '%s'" % s[:5]) # Start to 5


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Code
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Python 3 (ipykernel)
Slicing the string into bits
print("The first five characters are '%s'" % s[:5]) # Start to 5
print("The next five characters are '%s'" % s[5:10]) # 5 to 10
print("The thirteenth character is '%s'" % s[12]) # Just number 12
print("The characters with odd index are '%s'" %s[1::2]) #(0-based indexing)
print("The last five characters are '%s'" % s[-5:]) # 5th-from-last to end
# Convert everything to uppercase
print("String in uppercase: %s" % s.upper())
# Convert everything to lowercase
print("String in lowercase: %s" % s.lower())
# Check how a string starts
if s.startswith("Str"):
print("String starts with 'Str'. Good!")
# Check how a string ends
if s.endswith("ome!"):
print("String ends with 'ome!'. Good!")
# Split the string into three separate strings,
# each containing only a word
print("Split the words of the string: %s" % s.split(" "))
Length of s = 20
The first occurrence of the letter a = 8
a occurs 2 times
The first five characters are 'Strin'
The next five characters are 'gs ar'


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Code
JupyterLab
Python 3 (ipykernel)
print("String in uppercase: %s" % s.upper())
# Convert everything to lowercase
print("String in lowercase: %s" % s.lower())
# Check how a string starts
if s.startswith("Str"):
print("String starts with 'Str'. Good!")
# Check how a string ends
if s.endswith("ome!"):
print("String ends with 'ome!'. Good!")
# Split the string into three separate strings,
# each containing only a word
print("Split the words of the string: %s" % s.split(" "))
Length of s = 20
The first occurrence of the letter a = 8
a occurs 2 times
The first five characters are 'Strin'
The next five characters are 'gs ar'
The thirteenth character is 'a'
The characters with odd index are 'tig r wsm!'
The last five characters are 'some!'
String in uppercase: STRINGS ARE AWESOME!
String in lowercase: strings are awesome!
String starts with 'Str'. Good!
String ends with 'ome!'. Good!
Split the words of the string: ['Strings', 'are', 'awesome!']