

Users > joanchen > Documents > myPythonCode > test.py

```
1  '''
2  This is for intro to functions, the objectives are the following:
3  1. Why would we use functions?
4  2. What does return do?
5  3. How do we pass in parameters?
6  '''
```

CODE CLUB

Version 1

PYTHON 入門 2

```
13 city = input("Enter a city:")
14 num_of_members = input("how many floors does the building have?")
15 print(city + str(num_of_members) )
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17 city = input("Enter a city:")
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今日の課題

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2 This is for intro to functions, the objectives are the following:

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4 2. What does return do?

5 3. How do we pass in parameters?

6 • 先週の練習

7
8
9 • 基礎関数

10
11 ### Version 1

12
13 • 練習（ゲームを作ろう！）

14 num_of_members = input("how many floors does the building have?")

15 print(city + str(num_of_members))

16
17 city = input("Enter a city:")

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今日の講師

先週の練習

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```
1 #Question 1 - Ans
2 #
3 x = input("数字1: ")
4 y = input("数字2: ")
5 print(int(x) + int(y))
6
```

```
21 city = input("Enter a city:")
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先週の練習

This is for intro to functions, the objectives are the following:

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```
'''
20 #Question 2 - Ans
21 import math
22 rad = 4
23 cir = 2*rad*math.pi
24 area = math.pi*(rad**2)
25 print(cir)
26 print(area)
27
```

```
city = input("Enter a city:")
```

```
num_of_members = input("how many floors does the building have?")
```

```
print(city + str(num_of_members) )
```

先週の練習

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6 '''
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8 8
```

```
9 9 #Question 3 - Ans
```

```
10 10 city = input("Pick a city: ")
```

```
11 11 temp_C = input("What is the temperature today? ")
```

```
12 12 print("It is " + str(temp_C) + "C in " + city + " today.")
```

```
13 13 city = input("Enter a city:")
```

```
14 14 #Challenge
```

```
15 15 temp_F = 9 * (float(temp_C)/5) + 32
```

```
16 16 print("That is " + str(temp_F) + "F")
```

```
17 17 city = input("Enter a city:")
```

```
18 18 num_of_members = input("how many floors does the building have?")
```

```
19 19 print(city + str(num_of_members) )
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関数

関数への入力（引数）



関数



関数からの出力
(戻り値)

関数に引数（入力）を渡して、そのコードを実行し、処理結果を得ることを「関数呼び出し」などと呼ぶ

```
city = input("Enter a city:")
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引数、関数、戻り値？

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NUMBER1 = INT("10")



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17 city = input("Enter a city:")  
18 num_of_  
19 print(c
```

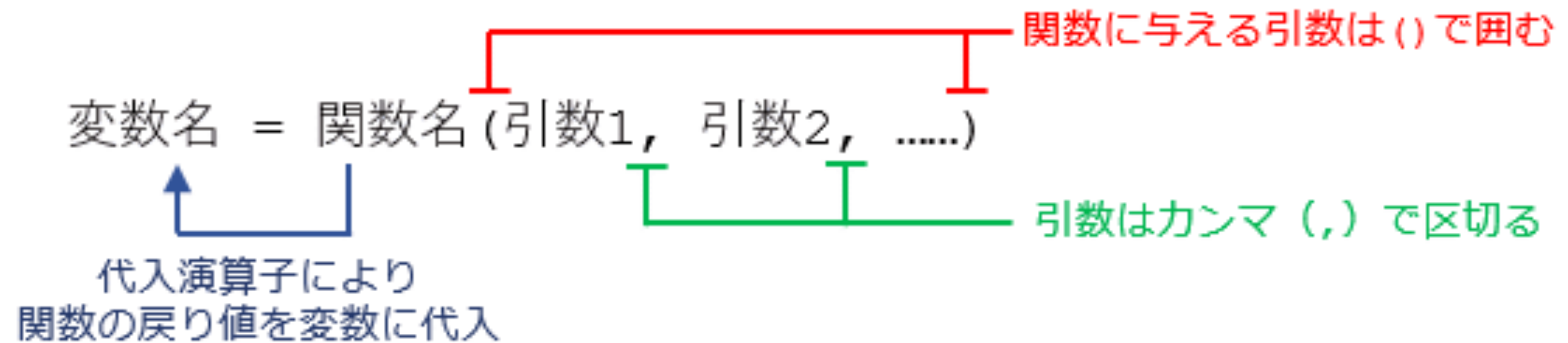
```
17 city = input("Enter a city:")  
18 num_of_  
19 print(c  
[>>> number1 = int("10")
```

```
20  
21 [>>> print(number1)
```

```
22  
23 10  
24  
25
```


関数 + 変数

```
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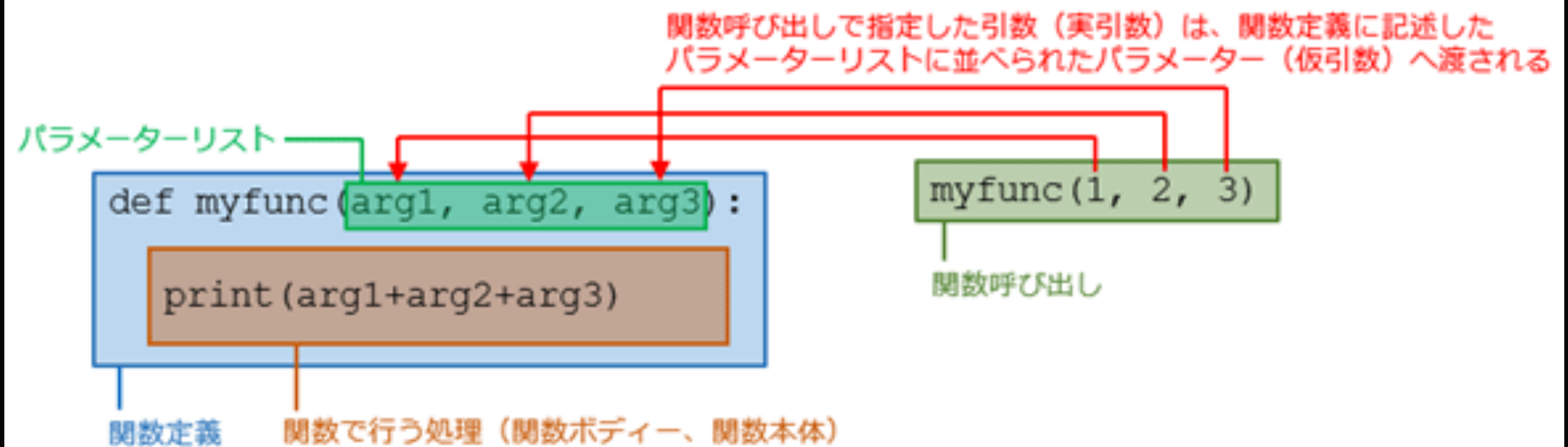
なんで関数？

関数を作る

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関数を作る

(例: `hello_twitter_bot`)

1. 関数名 (例: `def hello_twitter_bot()`)

2. 引数名ー変数 (例: `def
hello_twitter_bot(friend)`)

3. 関数の中身

```
def hello_twitter_bot(friend):  
    api = twitter.Api(consumer_key="",  
                      consumer_secret="",  
                      access_token_key="",  
                      access_token_secret="")  
  
    status = api.PostUpdate('@' + friend + ' Hello, Nice to Meet You!')  
    print(status.text)
```

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DEMO:実行しましょう

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<https://github.com/joanchen306/codeclub-twitter-bot>

https://python-twitter.readthedocs.io/en/latest/getting_started.html

```
25 pip install python-twitter
```

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PRACTICE

練習: 先週の練習を関数にしましょう

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REFERENCE

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<https://www.atmarkit.co.jp/ait/articles/1905/17/news020.html>

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