

QUIZ 1

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This quiz will not count towards your grade. It exists to simply gauge your understanding. You will have 5 minutes to complete this quiz. In that timespan, your goal is to complete one question and at least attempt the other two.

01. HIGHER-ORDER FUNCTIONS

Fill in the code below. You may not edit existing code.

```
def throw(condition):
    """Throw something based on the condition"""
    print('It is '+condition)
    print(condition+' it is')
    if condition == 'sunny':
        print('Throw a ball')
    else:
        print('Throw a tantrum')

def act(action, condition):
    """Perform the provided action if the condition is satisfied

    >>> act(throw, 'sunny')
    It is sunny
    sunny it is
    Throw a ball
    >>> act(throw, 'rainy')
    It is rainy
    rainy it is
    Throw a tantrum
    """
    throw = None # prevents you from calling throw() directly
    action(condition)
```

UNOFFICIAL QUIZ *for* PRACTICE SOLUTIONS**02. CONTROL STRUCTURES**

What would `grandpas_favorite_food()` output?

```
def pow(word):
    """Adds some powwow"""
    return 'bam'+word

def grandpas_favorite_food():
    """Returns my grandpa's favorite food"""
    return favorite_food('ozle', 'bi')

def favorite_food(suffix1, suffix2):
    """Returns my grandpa's favorite food"""
    i, word = 0, ''
    while i < 5:
        if i < 1:
            word += 'b'
        elif i == 2:
            return pow(word+suffix1)
        if i < 4:
            word += 'o'
            i += 1 # change to i += 0 for problem 03.
        elif i > 0:
            return pow(suffix2)
        i += 2
    return pow(word)
```

bamboo

03. FUNCTIONS

Change **one** character in `favorite_food` so that `weirdos_favorite_food()` outputs `bamboozle`.

```
def weirdos_favorite_food():
    """Returns weirdo's favorite food"""
    return favorite_food('ozle', 'bi')
```

One possibility is listed above in the suite testing `i<4`.