

## Quiz Submissions - Quiz 5b - dunder methods, unpacking



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### Attempt 2

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### Submission View

You successfully submitted your quiz.

#### Question 1

1 / 1 point

```
def func(value, *args, quiz=None, **kwargs):  
    return f"{len(args)} - {kwargs['example']}"
```

Which of the following calls return '0 - 10'? There are several correct answers!

- ☒ `my_dict = {"value": "1", [], "example": 10}`  
`func(**my_dict)`
- ☒ `my_dict = {"value": "1", "quiz": True}`  
`func(**my_dict, example=10)`
- ☒ `my_list = ["value", "quiz"]`  
`my_dict = {"example": 10}`  
`func(*my_list, **my_dict)`
- ☒ `my_dict = {"value": "1", "example": 10}`  
`func(**my_dict)`

#### Question 2

1 / 1 point

Which method is called when trying to convert a class instance into a string?

- ☐ `__serialize__`
- ☐ `__string__`
- ☐ `__repr__`
- ☒ `__str__`

#### Question 3

1 / 1 point

```
def func(value, **kwargs):  
    return kwargs["value"]
```

```
my_dict = {"value": "quiz", "value": "quiz2", "example": 10}  
answer = func(**my_dict)
```

What is the value of 'answer' ?

- ✓ ☒ The code raises a KeyError exception
- ☐ 'quiz2'
- ☐ 'quiz'
- ☐ None

#### Question 4

1 / 1 point

```
class Example:  
    def __init__(self):  
        my_list = []
```

```
instance = Example()  
len(instance)
```

Which method should you create on the Example class to make the operation above succeed without raising exceptions? Type in the name of the method (only its name, no def, brackets, parenthesis, or arguments).

Answer: `__len__` ✓

#### Question 5

1 / 1 point

```
class Example:  
    pass
```

```
class Quiz:  
    pass
```

```
example = Example()  
quiz = Quiz()  
  
print(example + quiz)
```

Which method(s) should you create on the Example and Quiz classes to make the operation above succeed without raising exceptions? Select all the correct answers.

- ✓ ☐ \_\_str\_\_ on Example
- ✓ ☒ \_\_add\_\_ on Example
- ✓ ☐ \_\_str\_\_ on Quiz
- ✓ ☐ \_\_add\_\_ on Quiz

### Question 6

1 / 1 point

You have the following string:

```
my_string = '["hello", 123, {"key": "value"}]'
```

How would you transform this string in a Python object?

- ☐ json.dumps(my\_string)
- ✓ ☒ json.loads(my\_string)
- ☐ json.load(my\_string)
- ☐ json.dump(my\_string)

### Question 7

1 / 1 point

What make the Python dunder methods "special" ?

- ☐ They are always defined on all classes you create
- ☐ They do not take the self argument
- ✓ ☒ Their code is run without calling them explicitly
- ☐ Child classes do not heritate these methods

### Question 8

1 / 1 point

```
my_list = ["example", [1, 2, 3, 4], {"quiz": True}]
```

The function func is defined as: `def func(value, *args)`. How do you make it return "3" when called with `func(*my_list)`?

- ☐ `return args[1][2]`
- ✓ ☒ `return args[0][2]`
- ☐ `return *args[0][2]`
- ☐ You cannot define the function as `def func(value, *args)` (SyntaxError)

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**Attempt Score:**  8 / 8 - 100 %

**Overall Grade (highest attempt):**  8 / 8 - 100 %

Done