



✓ **Congratulations! You passed!**

TO PASS 80% or higher

Keep Learning

GRADE
85.71%

Python Basics Assessment

LATEST SUBMISSION GRADE

85.71%

1. Using either the help function or online documentation, find the default for axis in the Pandas drop function (pandas.DataFrame.drop). Enter your answer below.

1 / 1 point

0

✓ Correct

2. Using either the help function or online documentation as a resource, select the default option for the *kind* input parameter for the Numpy sort function (np.sort). (<https://docs.scipy.org/doc/numpy-1.15.1/reference/generated/numpy.sort.html>)

1 / 1 point

The *kind* parameter indicates the sorting algorithm used.

- ☐ heapsort
- ☒ quicksort
- ☐ mergesort
- ☐ stable

✓ Correct

The standard documentation indicates the following formatting of the numpy sort function: `numpy.sort(a, axis=-1, kind='quicksort', order=None)`

As you can see, the default of kind is quicksort.

3. What does the following function `get_element` return when the input is `lst = [1, 7, 3, 5]`?

1 / 1 point

```
1 def get_element(lst):  
2     new_lst = []  
3     for i in lst:  
4         new_lst.append(i**2)  
5     return lst[1]
```

- ☐ 1
- ☐ 3
- ☐ 9
- ☒ 7
- ☐ 25
- ☐ 49

✓ Correct

4. What is the output of the following code?

1 / 1 point

```
1 my_dict = {'peaches': 'cream', 'cat': 'dog', 'this one': 'that one'}  
2 my_dict['this one']
```

- ☐ {'peaches': 'cream', 'cat': 'dog', 'this one': 'that one'}
- ☐ 'dog'
- ☐ {'that one'}
- ☒ 'that one'
- ☐ 'peaches'

✓ Correct

5. What are the keys in my_dict?

1 / 1 point

```
1 my_dict = {'peaches': 'cream', 'cat': 'dog', 'this one': 'that one'}
2 my_dict['this one']
```

- ☒ 'peaches', 'cat', 'this one'
- ☐ peaches, cat, this one
- ☐ 'cream', 'dog', 'that one'
- ☐ cream, dog, that one

✓ Correct

6. What are the values in my_dict? Select all that apply.

1 / 1 point

```
1 my_dict = {'peaches': 'cream', 'cat': 'dog', 'this one': 'that one'}
```

- ☒ 'cream', 'dog', 'that one'
- ☐ 'peaches', 'that one', 'cat'
- ☐ 'cream', 'dog', 'cat'
- ☐ 'cream', 'dog', 'this one'

✓ Correct

Dictionaries have keys and values. The following format indicates which are keys and which are values (key: value).

7. What happens when the function save_plot is called?

0 / 1 point

```
1 import matplotlib.pyplot as plt
2
3 def save_plot(x, y):
4     plt.plot(x, y)
5     plt.savefig('new_plot')
```

- ☐ A plot is outputted and saved as 'new_plot'.
- ☐ The function **returns** a plot.
- ☒ nothing
- ☐ y

! Incorrect

False. Something is outputted when this code is ran.