

✔ Congratulations! You passed!

Grade
received 90.90%

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To pass 80% or
higher

Go to next item

1. In Python, what data structure helps store and manipulate an ordered collection of items?

1 / 1 point

- ☐ Set
- ☒ List
- ☐ Tuple
- ☐ Dictionary

✔ Correct

2. A data professional is working with a list named `cities` that contains data on global cities. What Python code can they use to add the string `'Tokyo'` to the end of the list?

1 / 1 point

- ☐ `cities.pop('Tokyo')`
- ☐ `cities.insert('Tokyo')`
- ☐ `cities.import('Tokyo')`
- ☒ `cities.append('Tokyo')`

✔ Correct

3. In Python, which of the following characters can a data professional use to instantiate a tuple?

1 / 1 point

- ☐ `{ }`
- ☐ `[]`
- ☒ `()`
- ☐ `< >`

✔ Correct

4. Which of the following statements accurately describe Python dictionaries? Select all that apply.

1 / 1 point

- ☒ Dictionaries consist of collections of key-value pairs.
- ☐ Dictionaries consist of string-tuple pairs.
- ☐ Dictionaries are instantiated with quotation marks.
- ☒ Dictionaries are instantiated with the `dict()` function.

✔ Correct

5. A data professional is working with a dictionary named `employees` that contains employee data for a healthcare company. What Python code can they use to retrieve both the dictionary's keys and values?

1 / 1 point

- ☐ `employees.keys()`
- ☐ `items.employees()`
- ☐ `keys.employees()`
- ☒ `employees.items()`

✔ Correct

6. A data professional is working with two Python sets. What function can they use to find elements from both sets that are mutually not present in the other?

0 / 1 point

- ☐ `union()`
- ~

☐ `symmetric_difference()`

☐ `intersection()`

☒ `difference()`



Incorrect

Review [the video about sets](#).

7. Where are modules accessed in Python?

1 / 1 point

☒ Within a package or library

☐ Within a set

☐ Within a global variable

☐ Within a dictionary



Correct

8. A data professional is working with a NumPy array that has three rows and two columns. They want to change the data into two rows and three columns. What method can they use to do so?

1 / 1 point

☐ `groupby()`

☒ `reshape()`

☐ `agg()`

☐ `type()`



Correct

9. A data professional is working with a pandas dataframe named `sales` that contains sales data for a retail website. They want to know the price of the least expensive item. What code can they use to calculate the minimum value of the `Price` column?

1 / 1 point

☐ `sales.min().Price`

☒ `sales['Price'].min()`

☐ `sales.min().(Price)`

☐ `sales = 'Price'.min()`



Correct

10. A data professional is working with a pandas dataframe. They want to select a subset of rows and columns by index. What method can they use to do so?

1 / 1 point

☐ `loc[]`

☐ `concat()`

☒ `iloc[]`

☐ `merge()`



Correct

11. A data professional wants to merge two pandas dataframes. They want to join the data so only the keys that are in both dataframes get included in the merge. What technique can they use to do so?

1 / 1 point

☐ Left join

☒ Inner join

☐ Outer join

☐ Right join



Correct