

Lab 8 Quiz

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Question 1 *Submitted Dec 2nd 2021 at 12:23:40 pm*

Which of the following statements correctly gets the value of the key 'occupation' from the dictionary `person` below?

```
person = {'first_name': 'Julie', 'last_name': 'Smith', 'occupation': 'Engineer'}
```

- ☐ `person[occupation]`
- ☒ `person['occupation']`
- ☐ `'occupation' in person`
- ☐ `person{'occupation'}`

Question 2 *Submitted Dec 2nd 2021 at 12:24:15 pm*

```
people = [{'first_name': 'Joe', 'last_name': 'Smith', 'age': 51, 'spouse': 'Edna'},  
{ 'first_name': 'Edna', 'last_name': 'Smith', 'age': 48, 'spouse': 'Joe'},  
{ 'first_name': 'Jacob', 'last_name': 'Jones', 'age': 33, 'spouse': 'Lily'},  
{ 'first_name': 'Lily', 'last_name': 'White', 'age': 29, 'spouse': 'Jacob'},  
{ 'first_name': 'Tiffany', 'last_name': 'Poe', 'age': 37, 'spouse': 'Sean'},  
{ 'first_name': 'Emily', 'last_name': 'Miller', 'age': 24, 'spouse': 'Michael'},  
{ 'first_name': 'Sean', 'last_name': 'Miller', 'age': 40, 'spouse': 'Tiffany'},  
{ 'first_name': 'Michael', 'last_name': 'Poe', 'age': 25, 'spouse': 'Emily'}]
```

What elements does the following for loop iterate through?

```
for elem in people:  
    ...
```

- ☐ The keys in the list `people`

☐ The tuples in the dictionary `people`

☒ The dictionaries in the list `people`

☐ The keys in the dictionary `people`

Question 3 Submitted Dec 2nd 2021 at 12:25:46 pm

Which of the following are valid ways to index the following dictionary?

```
dict = {"paul": 3.14, "christine": 4.40}
```

Select all that are correct.

☐ By index, like `dict[1]`

☒ By key, like `dict["paul"]`

☐ By value, like `dict[4.40]`

☐ By tuple, like `dict[("christine": 4.40)]`

Question 4 Submitted Dec 2nd 2021 at 12:27:09 pm

Which of the following statements would evaluate to True?

```
person = {'first_name': 'Julie', 'last_name': 'Smith', 'occupation': 'Engineer'}
```

Select all that are correct.

☒ `'first_name' in person`

☐ `occupation in person`

☐ `'Engineer' in person`



`len(person) == 3`



`len(person) == 6`

Question 5 *Submitted Dec 2nd 2021 at 12:27:35 pm*

What does the following code output?

```
class_dict = {'instructors': 1, 'TAs': 5, 'tutors': 35}
result = 0
for key in class_dict:
    result += class_dict[key]
print(result)
```



1, the number of instructors



35, the number of tutors



41, the number of people in the instructional staff



Error