

Number 1 -

- Question -

What does an empty dictionary's code look like?

- Answer -

An empty dictionary's code look like two curly brackets: {}

Number 2 -

- Question -

What is the value of a dictionary value with the key 'foo' and the value 42?

- Answer -

The value of a dictionary value with the key 'foo' and the value 42 is {'foo': 42}

In [1]:

```
dic = {'foo' : 42}
```

Number 3 -

- Question -

What is the most significant distinction between a dictionary and a list?

- Answer -

The items in a list are ordered items, while the items stored in a dictionary are unordered

Number 4 -

- Question -

What happens if you try to access spam['foo'] if spam is {'bar': 100}?

In [2]:

```
spam = {'bar': 100}  
spam['foo']
```

```
-----  
KeyError                                Traceback (most recent call last)  
<ipython-input-2-56a8e50c7ff8> in <module>  
      1 spam = {'bar': 100}  
----> 2 spam['foo']
```

KeyError: 'foo'

- Answer -

We will get a KeyError error.

Number 5 -

- Question -

If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.keys()?

- Answer -

There is no difference. The in operator checks whether a value exists as a key in the dictionary.

Number 6 -

- Question -

If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.values()?

- Answer -

'cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

Number 7 -

- Question -

What is a shortcut for the following code?

- if 'color' not in spam:
 spam['color'] = 'black'

- Answer -

```
spam.setdefault('color', 'black')
```


Number 8 -

- Question -

How do you "pretty print" dictionary values using which module and function?

- Answer -

```
pprint.pprint()
```

