

1. What does an empty dictionary's code look like? `Dict1 = {}`
2. What is the value of a dictionary value with the key 'foo' and the value 42? `Dict1 = {foo:42}`
3. What is the most significant distinction between a dictionary and a list? Dictionary has key value pairs while list has elements. Dictionary denoted by {} and list by [].
4. What happens if you try to access `spam['foo']` if `spam` is `{'bar': 100}`? Key 'foo' is not present there, this will give `keyerror`
5. If a dictionary is stored in `spam`, what is the difference between the expressions 'cat' in `spam` and 'cat' in `spam.keys()`?

Both are same as they are searching for cat key in spam dictionary

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

First one will search cat key in spam dictionary, whereas second one will search cat in spam dictionary's values. Output will be true if keys and values are present in the dictionary respectively.

7. What is a shortcut for the following code?

```
if 'color' not in spam:
```

```
    spam['color'] = 'black'
```

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

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

Import pprint module, use pprint() function

Eg: `pprint.pprint(my_dict)`