

1. What does an empty dictionary's code look like?

Ans : An empty dictionary's code look like → {} (two curly brackets)

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

Ans: is the value of a dictionary value with the key 'foo' and the value 42 is below

→ dic = {'foo' : 42}

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

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

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

Ans: We will get a key error.

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

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

KeyError: 'foo'
```

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

Ans: There is no difference. operator checks whether a value exists as a key in the dictionary or not.

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

Ans: '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 or not.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: spam.setdefault ('color' , 'black')

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

Ans: we can do it by ➔ `pprint.pprint()`