

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

ANS:- `Empty_dict = {}`

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

ANS:- `{'foo' : 42}`

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

ANS:- Items in list are ordered while items in dictionary are not ordered and list uses `[]` brackets, and dictionary uses `{}`.

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

ANS:- It will show us a KeyError error.

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 .The `in` operator checks whether a value exists as key in the dictionary.

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

ANS:- In `spam` it will look whether there is any key with name "cat" and `cat` in `spam.values()` will check whether there is any value of name "cat" in every key from dictionary.

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:- `pprint.pprint()`