

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

Sol :-

```
empty_dict = {}  
print(empty_dict)
```

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

Sol :- 42

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

Sol :- Items in dictionary's are accessed through keys and in list we access them via their index values.

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

Sol:- we get 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()?

Sol :- Both the expressions will return the keys stored in the spam.

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

Sol :- 'cat' in spam will return keys while 'cat' in spam.keys() will return values stored in the spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Sol :- spam.setdefault('color', 'black')

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

Sol :- By using " pprint " module " pprint " function pprint.pprint()

