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

Ans: {} or dict()

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

Ans 42

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

Ans: In dictionary data structure contains key : value pair while in list there is no such convention.

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

Ans: It gives key 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: dict\_keys(['bar'])

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

Ans: dict\_values([100])

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Shortcut :

If ‘spam’ != ‘color’

Spam[‘color’] = ‘black’

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

Ans:

There is one library called pprint, after importing the pprint in python we can use the in-built function as follows.

Import pprint

pprint.pprint(sample\_dict)