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

Ans: {}

2. 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: list doesn’t support key-value pair whereas dictionary supports key-value pair.

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

Ans: KeyError

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 not difference. By default, dictionary’s key is compared in case of expressions.

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

Ans: There is a difference where by default, expression ‘cat’ in spam checks in keys of spam dictionary whereas ‘cat’ in spam.values() checks whether ‘cat’ is available among all spam dictionary’s values.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: spam.get(‘color’,’black’) # black refers to default value for any missing keys passed to spam.

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

Ans: For “pretty print” dictionary values, pprint module and pprint() function to be imported and accessed. Example of pretty print on spam dictionary values -> pprint.pprint(spam,sort\_dicts=True)