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 : {'foo': 42}**

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

**Ans : dict is key value paird data type , list contain only values**

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

**Ans : Key error because we don’t have any key like foo inside dict**

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

**Ans: No difference. The in keyword will checks whether a value exists in a 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 : cat in spam check there is a cat key in the dictionary, cat in spam.values() checks whether there is a value cat for one of the keys in spam.**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Ans : We can use setdefault() function spam.setdefault('color', 'black')**

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

**Ans :We can use pprint library to print dict values with proper indent. First we have to import the library and we can print it pprint()**