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

**Ans.** dict1={ }

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.** The main difference is that items in dictionaries are accessed via keys and not via their position.

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

**Ans.** 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.** They both are same.they check the “cat “ is in key of 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 the “cat “ is in key of the dictionary and 'cat' in spam.values() checks whether there is a value 'cat' for one of the values in spam .

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

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| --- |
|  |
|  |
|  |

**Ans.** spam.setdefault('color','black')

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

**Ans.** The module is pprint. The functions are pprint.pprint() and pprint.pformat().