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

**Ans.:** An empty dictionary’s code = { }

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

**Ans.:** {‘foo’ : 42}

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

**Ans.:** The list is an ordered collection of data, whereas the dictionaries store the data in the form of key-value pairs.

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

**Ans.: We will get a KeyError : ‘foo’**

1. **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 no difference. The in operator checks whether a value exists as a key in the dictionary.

1. **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 checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

1. **What is a shortcut for the following code?**

**if 'color' not in spam:**

**spam['color'] = 'black'**

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

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

**Ans.:** pprint.pprint()