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

**Ans:**

dict\_2={}

dict\_3=dict()

print(dict\_2)

print(dict\_3)

Output will be:

{}

{}

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

**Ans:** The value will be 42.

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

**Ans:** List contains a collection of values of any data types, whereas dictionary is a collection in form of various key and value pairs.

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

**Ans:** The program will throw 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:** ‘cat’ in spam.keys() will check if there is a ‘cat’ key in the spam dictionary. ‘cat’ in spam will be declared as either key or value.

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

**Ans:** ‘cat’ in spam.values() will check if there is a ‘cat’ value in the spam dictionary, whereas, ‘cat’ in spam is either a key or value.

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

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

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

**Ans:** spam.setdefault(“color”,”black”)

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

**Ans:** import pprint

pprint.pprint(dict\_name)