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

**Answer:**

**a={}**

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

**Answer:**

**a={'foo':42}**

**a.values()**

**dict\_values([42])**

**for key,val in a.items():**

**print(val)**

**42**

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

**Answer:**

**List stores the values in a ordered fashion.**

**Dictionary stores the key value pair in unordered fashion**

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

**Answer:**

**We get keyerror. Since we dont have key in the dictionary**

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

**Answer:**

**‘cat’ in spam -> check key ‘cat’ is available in the dictionary**

**‘cat’ in spam.keys() 🡪checks key ‘cat’ is available in the list of key values**

**So, there shouldn’t be no difference**

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

**Answer:**

**‘cat’ in spam -> check key ‘cat’ is available in the dictionary**

**‘cat’ in spam.values() 🡪checks key ‘cat’ is available in the list of values**

**So, there is a difference in the above 2 expressions. 1st expression gives “True”. 2nd expression will give “False” since it couldn’t find ‘cat’**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Answer:**

**Spam.setdefault(‘color’,’black’)**

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

**Answer:**

**Import pprint**

**Pprint.pprint()**