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

**List={}**

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

**Dict = {foo : 42}**

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

**A list refers to a collection of various index value pair whereas dictionary refers to a hashed structure of various pairs of keys and values.**

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

**It will give keyError**

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

**In spam it will be with value and in spam.keys() there will only all keys of the spam dictionary.**

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

**In spam it will be with key and in spam.values() there will only all values of the spam dictionary.**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**spam.setdefault(‘colore’,’black’)**

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

**Using pprint() function**