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

Ans. {}

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 items in the list are ordered and the items stored in dictionary are unordered.

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

Ans. It will give key 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. There is no difference as in both case it will check for ‘cat’ key in 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 checks for the ‘cat’ key in dictionary while ‘cat’ in spam.values() checks for the value corresponding to ‘cat’ key in a dictionary.

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. pprint.pprint().