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

Ans: a={ }

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

Ans: dict = { ‘foo’ : 42 }. Here the value is 42.

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

Ans: The data inside the dictionary should be in the key value pair while the list may contain any kind of data inside it.

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

Ans: We will get the “KeyError” as we have not given any key with the name ‘foo’.

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 between the expressions ‘cat’ in spam and ‘cat’ in spam.keys() as both the expressions search for the given word ‘cat’ in the ‘key’ position of 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: The expression ‘cat’ in spam will search for the given word ‘cat’ in the ‘key’ position of the spam dictionary and the expression ‘cat’ in spam.values() will search for the given word ‘cat’ in the ‘value' position of the spam 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: We import the module ‘pprint’ and we use the function pprint.pprint( )