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

Ans: my\_dict=dict()

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

Ans: my\_dict={‘foo’:42}

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

Ans: Dictonary is having key value pairs and list is only having values in a sequence. Values of list can be accessed using index of that value whereas Dictonary values can be accessed using key of that value only.

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

Ans: we shall have a keyerror from python. As foo key is not available.

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

Ans: spam.keys() are having type dict\_keys whereas expression cat inside spam is indicating a key or a value.

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

Ans: spam.values() return a dict\_values type, we can convert that into list or tuple or set.

cat inside spam can be a key or a value.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: spam['color'] = ‘’

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

Ans: import pprint

pprint.pprint(dict\_name)