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

two of the ways mentioned below:

tempDict={}

tempdict=dict()

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?

lists are linear in nature whereas in dictionaries the data is stored in key value pairs.

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

we get a KeyError

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

No difference there. Both of them are going to search for cat in the keys inside the spam.

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

in the first case cat will get searched int the keys of spam and in the second case it is being searched in the values that are there in the dictionary spam.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam.setdefault(‘color’,’black’)

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

pprint module, we can use its pprint function to pretty print dictionaries (in a way make them look more human readable).

pprint.pprint(dictName )