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

Ans: x=dict()

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

Ans : dic["foo"]=42

Value=42

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

Ans:Dictionary stores key value pairs,while list just stores the values

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

Ans:spam["foo]:{"bar":100}

returns a dict {'bar':100}

5. What is the difference between the terms 'cat' in spam and 'cat' in spam if a dictionary is contained in spam?

Ans: In both the cases if "cat" is there in key and value then it will return True else it will return False

What is the function keys()?

Ans: returns the keys from the dictionary.

spam={"x":{"cat":1}}

spam.keys() returns dict\_keys(['x'])

6. What is the difference between the terms 'cat' in spam and 'cat' in spam.values() when a dictionary is contained in spam?

Ans: cat in spam will search in keys only whereas cat in spam.values() will search in values also.

7. What is the quickest way to type the following code?

if the word 'colour' isn't in spam:

'black' for spam['color']

Ans:spam=dict()

if 'colour' not in spam.keys():

spam["colour"]="black"

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

Ans:

spam={'colour': 'black'}

import pprint

pprint.pprint(spam)