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

Ans – { }

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

Ans = { “foo” :42 } , 42 is value

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

Ans = in dictinory we can store a values using key , which can be numbers or a string , 2nd = a list store a value in a sequencing using a numeric indexing.

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

Ans = error , foo is not defined and foo is not in the dictionary.

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

Ans = 'cat' in spam is **more concise** and **preferred**

'cat' in spam.keys() is **technically correct**, but less efficient (because .keys() creates a view object)

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

Ans = while cat in spam search for the keys so it will show error , however if the cat is store in a values it will not show an error .

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans = spam.setdefault('color', 'black')

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

Ans - import pprint

spam = {'name': 'Manoj', 'age': 30, 'city': 'Uttarakhand'}

pprint.pprint(spam)