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

ANS : dict={}

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

ANS: 42

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

ANS : In list the element are accessed via indices and in dictionary the element are accessed via key-value

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

ANS : **KeyError**: 'foo'

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 find out or searching cat in complete dictionary and “cat” in spam.keys() is find out or searching in keys

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

ANS : 'cat' in spam is searching cat in complete dictionary and ‘cat’ in spam.values() is searching in a values

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black

ANS : using dictionary comprehension

{ spam['color'] ='black’ if 'color' not in spam: }

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

ANS module name is pprint and function name is same pprint()