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

Ans - empty dictonaries looks like pair of curly braces{}.

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

Ans - value of a dictionary is 42

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

A lisr is an ordered collection of elements where each element is identified by an index starting from 0 . the element in a list can be any data type,including list.

Dictonary is unordered collection of key value pairs where each key is unique associated with value.

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

Ans – key doesn’t exisit 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 – if a dictionary is stored in the variable spam the expression ‘cat’ in spam and ‘cat’ in spam.keys() both check whether the string is a key or a dictionary.

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

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 -

Module to use pretty print is import pprint

pprint.pprint(spam)