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

Set = {}

Set = dict()

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

Value = 42

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

List contains DataTypes like integers, strings and objects where as dictionary is an unordered collection of data values as key,value pair.

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

The key ‘foo’ is not defined. So programs throws the below error :

“NameError: name 'foo' is not defined”

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

There is no difference. The in operator checks whether the value exists as a key in the dictionary (Spam).

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

Cat in spam checks whether there is a cat key in the dictionary. Cat in spam.values()

checks whether the there is cat value in the dictionary.

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?

Import pprint

pprint.pprint(spam)