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

Ans: dictionary\_1={} is how we declare a dictionary with no values

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

Ans: dictionary\_1={‘foo’:42}

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

Ans: The major dictionary and list is that the dictionary has data Stored in a key value pair, where the key cannot be duplicate,

List stores the data in a basic format where all the element have the same level

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

Ans: As foo key is not available it will throw and error “Keyerror”

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 as expression means spam[‘cat’] … which means that cat is a key

Cat in spam.keys() also means a key.

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 as expression means spam[‘cat’] … which means that cat is a key

However cat is present in spam.values that means the cat is a value in the dictionary

1. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans: my\_dict.setdefault(‘color’, ‘black) is used to set a defulat vlue if the key is not already present in the dictionarty.

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

Ans import pprint

Ans: Pprint.pprint(spam) can be used to display the dictionary in a preety format