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

Ans. Two curly braces.

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

Ans. {'foo': 42}

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

Ans. In dictionary we can access the values using the keys, but in list you can access the values using the index numbers.

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

Ans. It will give you the key error. [‘Foo’]

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

Ans. There is no difference, here it will give the error in both cases, ‘cat’ in spam checks for the keys in spam, while ‘cat; in spam.keys() checks for values in key.

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

Ans. There is no difference, here it will give the error in both cases, ‘cat’ in spam checks for the keys in spam, while ‘cat; in spam.keys() checks for values in values.

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?

Ans. pprint.pprint()