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

{}

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

{'foo': 42}

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

In dictionary the values are stored in Key, value pairs. In list the values are with unique indexes for each of the values

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

Compiler will throw Error – ‘ Key Not found’

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

the expressions 'cat' in spam 🡪 Key

'cat' in spam.values() 🡪 Value

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

the expressions 'cat' in spam 🡪 Key

'cat' in spam.values() 🡪 Value

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam['color'] ='black' if 'color' not in spam else ''

or

if 'color' not in spam: spam['color'] ='black'

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

PrettyPrinter class from pprint module, can be used for pretty print the dictionary values