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

Ans. An empty dictionary can be created by using the curly braces ({}) without assigning any values.

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

Ans. {'foo': 42}

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

Ans. List is a sequential data type i.e., they are indexed and Dictionary is a mapping datatype. It consists of key: value pair.

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

Ans. Key Error

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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. The in operator checks whether a value exists as a key in the dictionary

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6. 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 checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

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7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans. spam.setdefault('color', 'black')

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

Ans. pprint is a Python module that provides the capability to pretty print Python data types to be more readable.

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