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

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

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

List is a collection of indexed values whereas Dictionary is a hashed structure of key and value pairs. The indices of list are integers starting from 0 and the keys of dictionary can be of any data type.

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

We get a key error because the key ‘foo’ is not in the dictionary.

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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()?

There is no difference and the output is the same. This is because the “in” operator checks if the 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()?

The output will be different. The “in” operator for ‘cat’ in spam looks for the value ‘cat’ among the keys in the dictionary by default. Whereas if we want to look into the values instead, we need to explicitly mention that as ‘cat’ in spam.values()

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# 7. What is a shortcut for the following code?

# if 'color' not in spam:

# spam['color'] = 'black'

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

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