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

**Answer**: To create an empty list use {}

For example,

My\_dict = {}

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

**Answer**: {‘foo’: 42}

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

**Answer**: A list is collection of elements with index-value pairs whereas dictionary is a hashed structure of elements with key-value pairs. Items in a list are ordered whereas a dictionary is unordered.

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

**Asnwer:**

**KeyError: ‘foo’**

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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()?

**Answer**: There is no difference. Both the expressions check the existence of the **key** – ‘cat’ in the dictionary. Both the expression returns **True**

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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()?

**Answer**: The expression ‘cat’ in spam checks the existence of the **key** – ‘cat’ in spam and returns **True** whereas the expression ‘cat’ in spam.values() checks the existence of the **value** – ‘cat’ in spam and returns **False**

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7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**Answer**: spam.setdefault(‘color’, ‘black’)

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

**Answer**: Module is pprint and the function is pprint.

For example,

import pprint

pprint.pprint(<dictionary\_name>)