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

Empty dictionary – {}

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

Value 42

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

Dictionary does not support indexing.

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

Key Error

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

**‘cat’ in spam and ‘cat’ in spam .keys ()---**this both will give True.(by default it searches into keys)

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

‘**cat’ in spam and ‘cat’ in spam.values()—**will give False because by default it searches into keys.

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?

import pprint

pp = pprint.PrettyPrinter(indent=2)

pp.pprint(spam)