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

x = []

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

42

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

dictionary has key value pairs , {‘key’:’value’}

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

there is no key named foo in dictionary it’ll return a error

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

first will directly return true if cat is present in keys of spam

in second, first a key list is created and then true is returned if cat is present in that list

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.values check if cat is present in the list of all values of dictionary spam

7. What is a shortcut for the following code?

if 'color' not in spam:

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