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

Dict1 = {}

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

D = {‘foo’:42}

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

Duplicate values are allowed in list but not in dict keys

Dicts are hash table for implementation and list uses indexes

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

Key error

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

No difference

>>> d = {'foo':42}

>>> 'foo' in d

True

>>> 'foo' in d.keys()

True

>>>

1. 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 is quivalent to cat in spam.keys()

Cat in spam.values() returns False

>>> d = {'foo':42}

>>> 'foo' in d

True

>>> 'foo' in d.keys()

True

>>> 'foo' in d.values()

False

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam.setdefault(‘color’,‘black’)

1. How do you "pretty print" dictionary values using which module and function?
2. import json
3. import pprint
4. d = {'foo':42, 'bar':32,'l':[1,2,3,44,4,4]}
5. print(json.dumps(d))
6. pprint.pprint(d)