**Assignment-3**

1. What does the code for an empty dictionary look like?

2. What does a dictionary value with a key 'foo' and a value 42 look like?

3. What is the main difference between a dictionary and a list?

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

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

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

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

8. What module and function can be used to “pretty print” dictionary values?