**ASSIGNMENT : 5**

1. What does an empty dictionary's code look like?  
Ans: To create an empty dictionary, the dictionary should be set to {}.

2. What is the value of a dictionary value with the key 'foo' and the value 42?  
Ans: tmp = {'foo': 42}

3. What is the most significant distinction between a dictionary and a list?  
Ans: A dictionary holds the key value pairs, and a list hold the value functions including the variables.

4. What happens if you try to access spam['foo'] if spam is {'bar': 100}?  
Ans: Untrue statement or error could occur. A Traceback error

5. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.keys()?  
Ans:There is no difference. The in operator checks whether a value exists as a key in the dictionary. 'cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam. values() checks whether there is a value 'cat' for one of the keys in spam .

6. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.values()?  
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7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'  
Ans: spam.setdefault('color','black')

8. How do you "pretty print" dictionary values using which module and function?  
Ans: The module is pprint. The functions are pprint.pprint() and pprint.pformat().