**Python – Assignment 5**

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| 1 | What does an empty dictionary's code look like? |
|  | {} |
| 2 | What is the value of a dictionary value with the key 'foo' and the value 42? |
|  | {‘foo’ : 42} |
| 3 | What is the most significant distinction between a dictionary and a list? |
|  | Dictionary is a key-value pair collection, where are lists are only value based collection. Dictionaries do not have an indexing order, where as lists have an indexing order. |
| 4 | What happens if you try to access spam['foo'] if spam is {'bar': 100}? |
|  | KeyError |
| 5 | If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.keys()? |
|  | The first statement (‘cat’ in spam) checks if there is a key-value pair with ‘cat’ as keys. The second statement checks if ‘cat’ is present in the list of keys of the dictionary. This would mean the same thing as the first statement. |
| 6 | If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.values()? |
|  | The first statement (‘cat’ in spam) checks if there is a key-value pair with ‘cat’ as keys. The second statement checks if ‘cat’ is present in the list of values of the dictionary. Both of them mean entirely two different things. |
| 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? |
|  | pprint.pprint() |