ASSIGNMENT - 4

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

Ans: *An empty dictionary is often represented by two empty curly brackets*

*d = {} or d = dict()*

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

Ans: *{'foo':42}*

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

Ans: *Dictionaries are represented by {} where as listed are represented by []*

*The Items stored in a dictionary are Unordered , while the items in a list are ordered*

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

Ans: *We will get a keyError KeyError: 'foo'*

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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 operator checks whether a value exists as a key in the dictionary or not*

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

Ans: *'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.*

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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')*

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8.How do you 'pretty print' dictionary values using which modules and function ?

Ans: *We can pretty print a dictionary using three functions*

* *by using pprint() function of pprint module*
* *by using dumps() method of json module*
* *by using dumps() method of yaml module*

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