ASSIGNMENT - 5

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

Ans: my\_dictionary = {}

2. What is the value of a dictionary value with the key ‘foo’ and the value 42?

Ans: {'foo': 42}

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

Ans: The most significant distinction is that :-

List :- items in list are ordered.

Dictionary :- items in dictionary are unordered.

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

Ans: spam = {‘bar’:100}

print(spam[‘foo’])

#If we try to run this code it will show us an error as…

Traceback (most recent call last):

File "<string>", line 2, in <module>

KeyError: 'foo'

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

Ans: spam = {‘cat’:100} spam = {‘cat’:100}

print(‘cat’ in spam) print(‘cat’ in spam.keys())

Output :- True Output :- True

There is no difference, both check if 'cat' is key of the dictionary and if its a key, returns True.

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

Ans: spam = {‘cat’:100}

print(‘cat’ in spam)

Output :- True

'cat' in spam checks whether there is a 'cat' key in the dictionary.

spam = {‘cat’:100}

print(‘cat’ in spam.values())

Output :- False

'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

7. What is a shortcut for the following code?

if ‘color’ not in spam:

spam[‘color’] = ‘black’

Ans: spam ={'cat':100}

spam**.**setdefault('color','black')

print(spam)

8. How do you ‘pretty print’ dictionary values using which module and function?