**Assignment-5**

Ques-1:What does an empty dictionary's code look like?

Answer-1:The empty dictionary can be represented as:

{}

Ques-2:What is the value of a dictionary value with the key 'foo' and the value 42?

Answer-2:The value is {“foo”:42}

Ques-3:What is the most significant distinction between a dictionary and a list?

Answer-3:The most significant difference between a list and a dictionary is that the elements of a list can be accessed with the position of elements in it while this is not the case in the dictionary.In dictionary we can access its values with the keys only.

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

Ans-4:

d={"bar":12}

d["foo"]

Traceback (most recent call last):

File "<stdin>", line 1, in <module>

KeyError: 'foo'

It shows an error because there does not exist foo as a key in the dictionary d.

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

Answer-5:’cat’ in spam dictionary is just a key with its value while in spam.keys() it is just an element.

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

Answer-6:If ‘cat’ is present both in a dictionary as well as spam.values(),it means that ‘cat’ is the value of some key in the dictionary spam while it is just an element in spam.values().

Ques-7: What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Answer-7:We can use a method of a dictionary called as setdefault() as:

#Let’s say we have a dictionary d.

d={“car”:”Lamborbhini”,”year”:1992}

d.detdefault(color,black) # it will add color:black as the element in the dictionary d.

Ques-8: How do you "pretty print" dictionary values using which module and function?

Answer-8:For that matter we can use the library pprint.Importing it,there is a function pprint().

We send our dictionary as the argument in pprint() function and the dictionary gets pretty printed.