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

dict = { }

**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?**

The list is an ordered collection of data, whereas the dictionaries store the data in the form of key-value pairs using the hashtable structure. Due to this, fetching the elements from the list data structure is quite complex compared to dictionaries in Python. Therefore, the dictionary is faster than a list in Python.

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

#This will give us key error

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()?**

No difference, both will return True, if executed.

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

True for expressions 'cat' in spam

False for expression and 'cat' in spam.values()

**7. What is a shortcut for the following code?**

**if 'color' not in spam:**

**spam['color'] = 'black'**

{'cat': 100, 'color': 'black'}

**8. How do you "pretty print" dictionary values using which module and function?**

**import** pprint

dct1 **=** [ {'Name': 'Krupal', 'Age': '34', 'Country': 'India'},

{'Name': 'Kamdar', 'Age': '34', 'Country': 'Germany'},

{'Name': 'Tejas', 'Age': '33', 'Country': 'Canada'},

{'Name': 'Jagdish', 'Age': '41', 'Country': 'USA'}

]

pprint**.**pprint(dct)

[{'Age': '34', 'Country': 'India', 'Name': 'Krupal'},

{'Age': '34', 'Country': 'Germany', 'Name': 'Kamdar'},

{'Age': '33', 'Country': 'Canada', 'Name': 'Tejas'},

{'Age': '41', 'Country': 'USA', 'Name': 'Jagdish'}]

print(dct\_arr)

[{'Name': 'Krupal', 'Age': '34', 'Country': 'India'}, {'Name': 'Kamdar', 'Age': '34', 'Country': 'Germany'}, {'Name': 'Tejas', 'Age': '33', 'Country': 'Canada'}, {'Name': 'Jagdish', 'Age': '41', 'Country': 'USA'}]