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

Ans- To create an empty dictionary, **the dictionary should be set to {}**.

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

Ans-  **[foo: '42] {foo: 421 a {foot: 42) Kifoo': 42]]**

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

Ans- **A list refers to a collection of various index value pairs like that in the case of an array in C++.** **A dictionary refers to a hashed structure of various pairs of keys and values**.

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

Ans-  **you get an key error.**

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**.

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

Ans- **There is no difference**.

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

Ans- spam.setdefault('color', 'black')

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

Ans- pprint.pprint()