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

Ans: mydict={}

{}

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

Ans: 42

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

Ans : Dictionary has key value pairs of elements and elements are accessed via values Also the elements are unordered. Whereas list has an ordered elements

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

Ans: 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: Eg: spam={‘cat’:5}

‘cat’ in spam returns the key and value pairs whereas ‘cat’ in spam.keys() will return the ‘cat’ as dict\_key([‘cat’]).

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 returns the key and value pairs wheres ‘cat’ in spam.values() will return the ‘cat’ as dict\_values([5])

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

spam.update({‘color’:’black’})

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

Ans**:** Python comes with a built-in library called pprint , which stands for pretty-print. Using this library, we can print out more nicely formatted data structures, including dictionaries.