1 What does an empty dictionary&#39;s code look like?

Ans empty\_dict = {}

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

Ans – 42 is the value of the dict key ‘foo’

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

Ans most significant difference between the list and the dictionary is that lists are ordered and dictionaries are unordered. Also performance of a dictionary is better than the performance of a list as it is easier and faster to look for the data in dict due to it key, value pair

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

Ans – it will a key error as the key ‘foo’ doesn’t exist.

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

‘cat’ in spam.keys()?

Ans - both will give the same results as True if the ‘cat’ is there in the key part of the spam dictionary and will give False if it’s not present.

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

‘cat’ in spam.values()?

Ans - the expressions ‘cat’ in spam will give the result as True only if the ‘cat’ is there in the key part of the dictionary and ‘cat’ in spam.values() will give the result as true only if the ‘cat’ is present in the values part of the dictionary.

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 &quot;pretty print&quot; dictionary values using which module and function?

Ans – pprint.pprint()