

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

Ans: a = {}

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

Ans: a = {'foo': 42}

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

Ans: In a dictionary each value have index key, which are called key value pairs like {'foo': 42}. In a list we can't assign keys to each values.

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

Ans: It will throw an 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: Both the expressions work in same way.

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 first expression returns True if 'cat' is in the dictionary keys, the second expression returns true if 'cat' is in the values.

7. What is a shortcut for the following code?

```
if 'color' not in spam:
```

```
    spam['color'] = 'black'
```

Ans:

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

Ans: We can use pprint module

```
import pprint
```

```
a = {'name': 'Pratik', 'age': 26, 'city': 'Goa'}
```

```
pprint.pprint(a)
```